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17 JUL 1953

The



CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JULY 18 1953

The 'Test' of Time...



BAT, BALL and STUMPS in 1743

Here we record the first match which was played at Finsbury—two years after the origin of this Firm. The popularity of the game has since grown to become world-wide in its appeal. This is equally true of Burgoyne's Products which, contemporary with cricket, have stood THE TEST OF TIME.

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Established 1741. & COMPANY LIMITED, LONDON. E.6



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'MIXTAMYCIN'^{brand}

streptomycin sulphate
dihydrostreptomycin sulphate

*...for prolonged therapy
with reduced toxicity*



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Pack : Each "gramme" contains 500,000 units streptomycin sulphate and 500,000 units dihydrostreptomycin sulphate. Boxes of 5 vials.

Manufactured by

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Drenalgin

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P.A.T.A.



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Ann Seymour: Woman & Beauty

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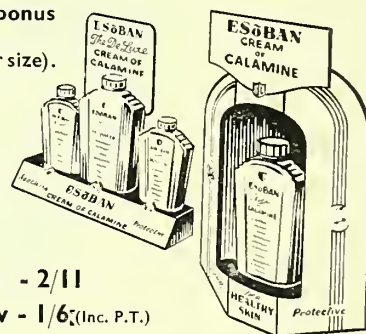
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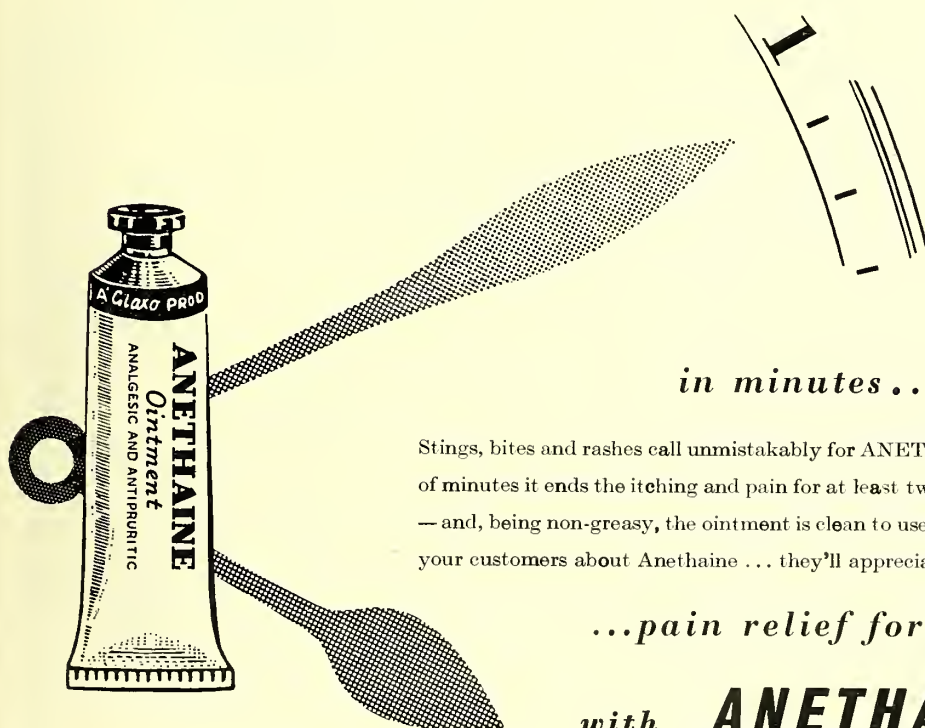
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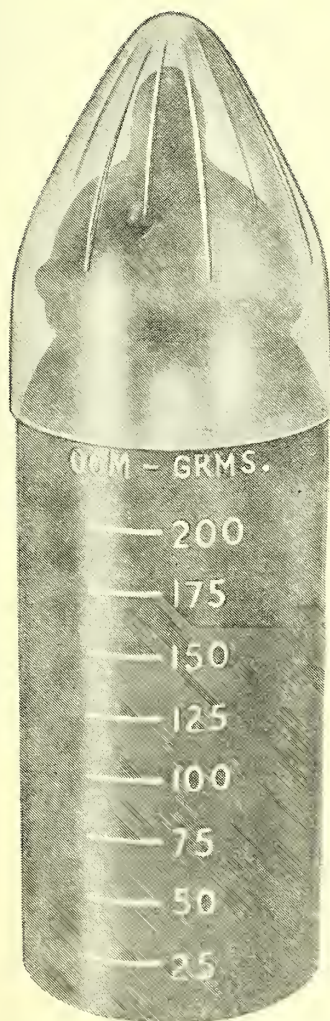
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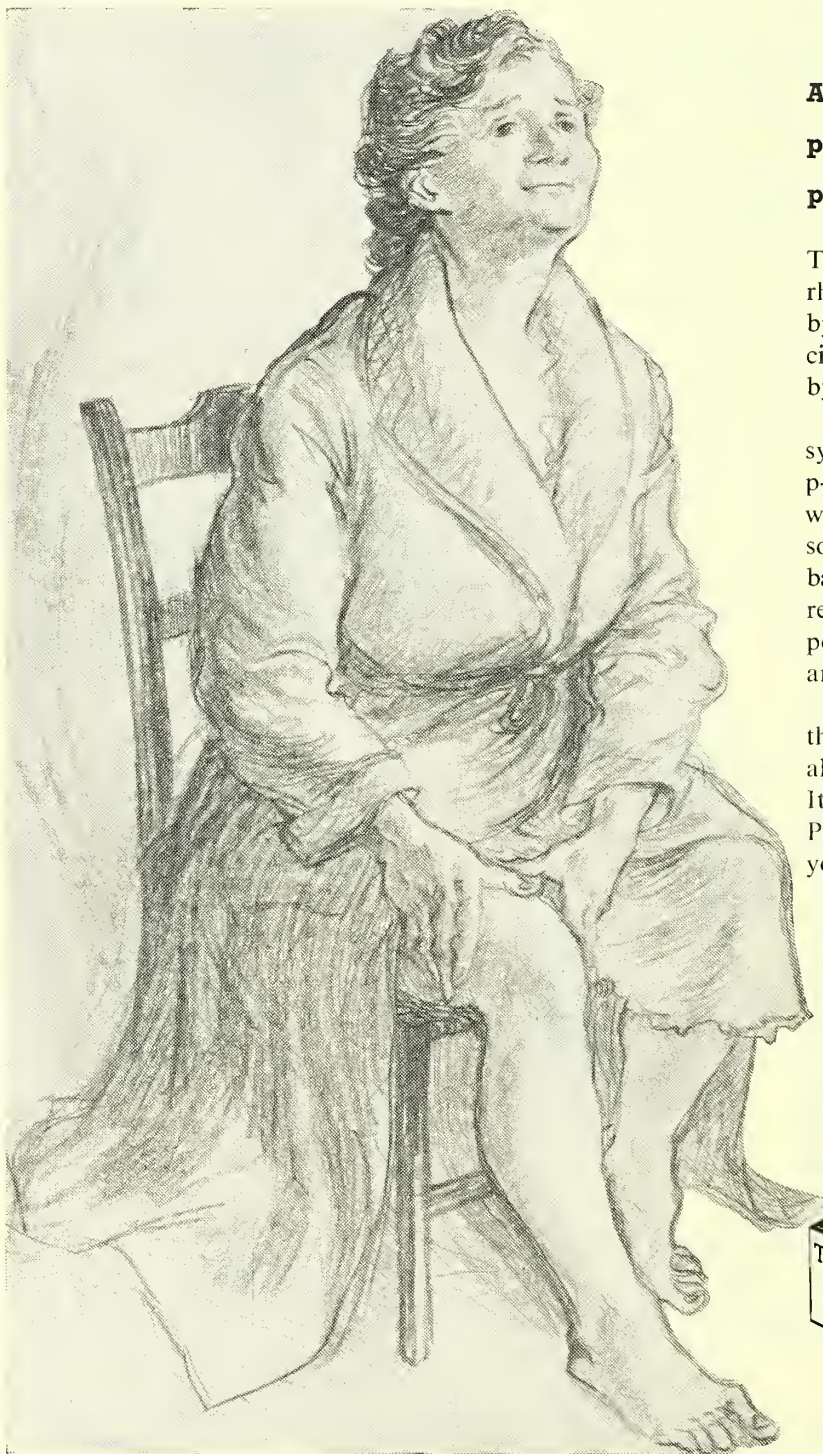
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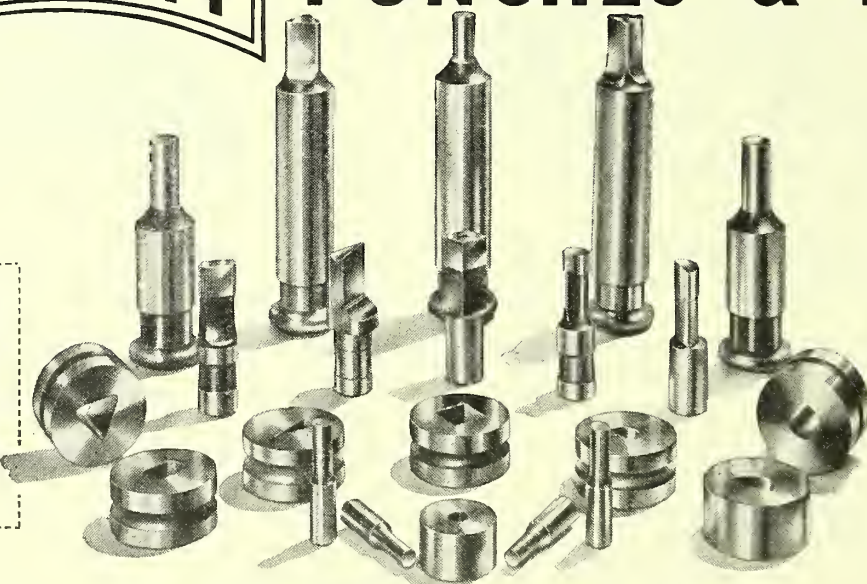
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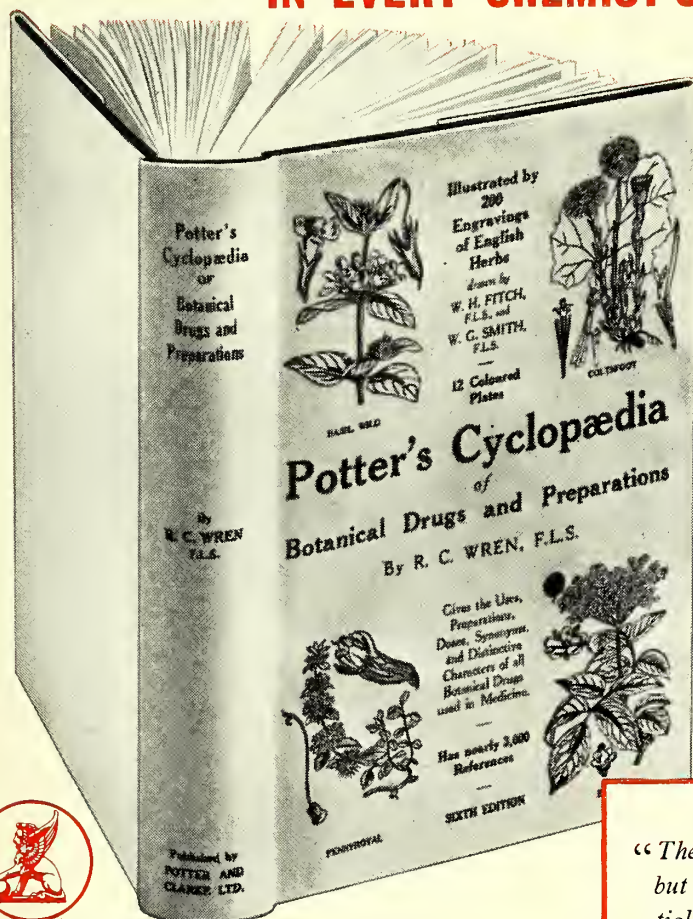
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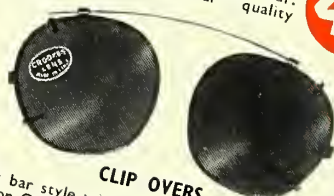


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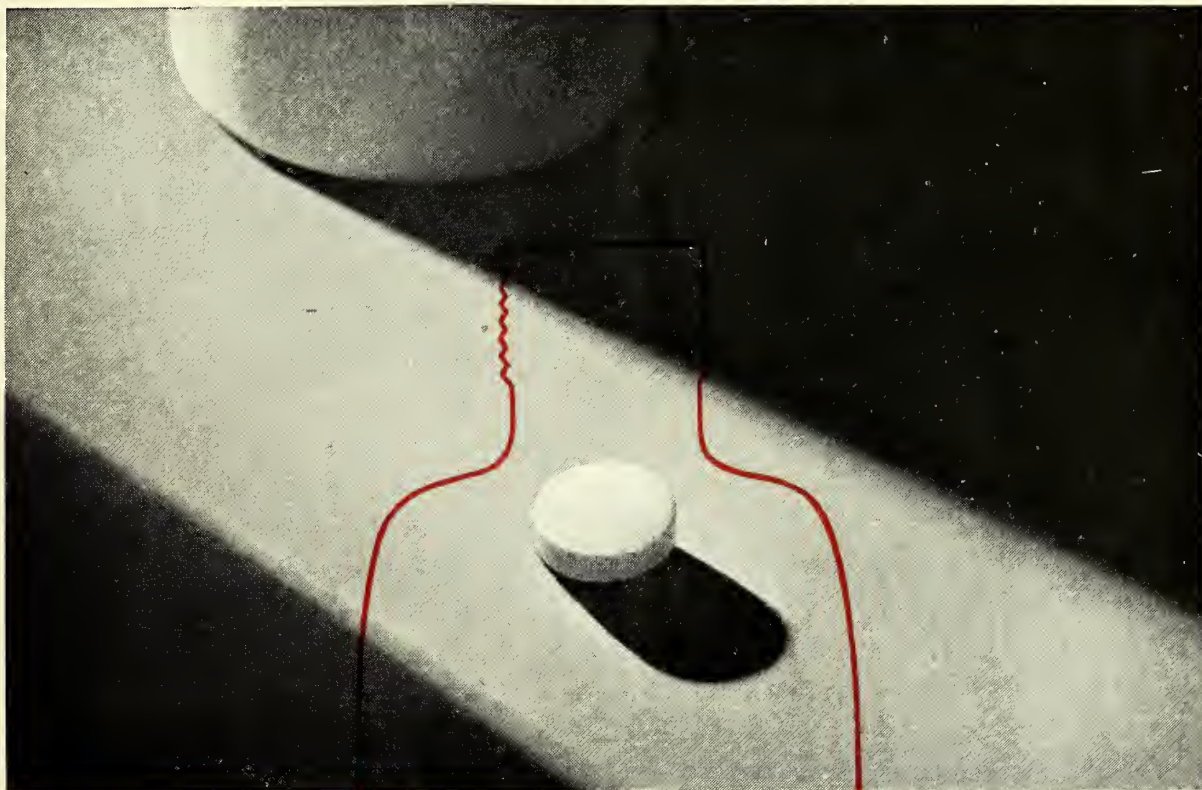
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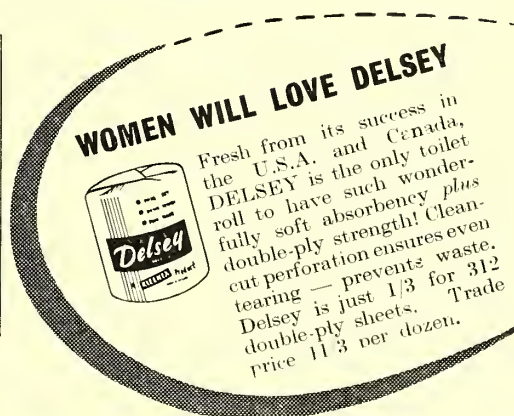
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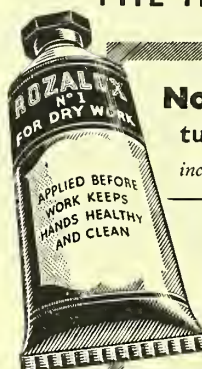
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This offer does not apply to Panchromatic films but to Ferrania Ortho films, F20, F520, F27, F16 and F516.

Ample quantities of display material are available and will be sent on request. A brand new multi-coloured showcard, "Ferrania Girl," will be enclosed with each batch of film.

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These new insulins are miscible one with another to give flexibility of effect, but not with the other 'Wellcome' brand Insulins—Unmodified, Globin (with Zinc), Protamine Zinc and Isophane.

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• Globin Insulin (with Zinc)
• Protamine Zinc Insulin

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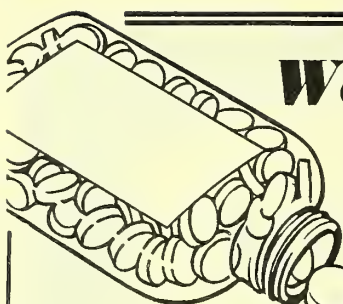
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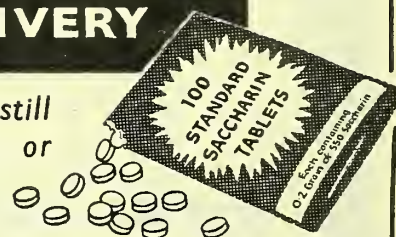


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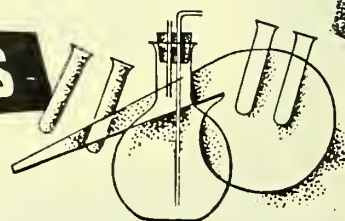
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GNT 116



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 160

July 18, 1953

No. 3830

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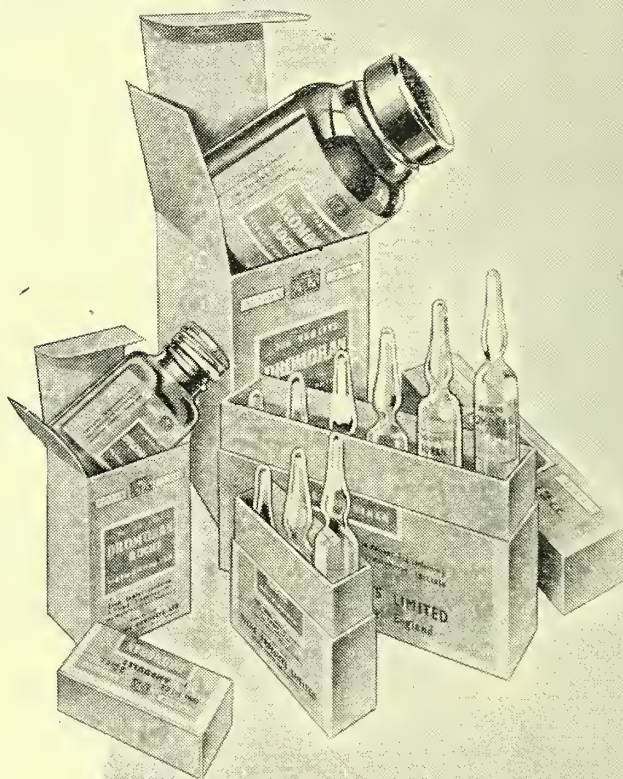
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for

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The CHEMIST AND DRUGGIST

Volume 160

JULY 18, 1953

No. 3830

Doctors Condemn the Levy AND CRITICISE "*FAMILY DOCTOR*"

THE annual representative meeting of the British Medical Association which opened in Cardiff on July 9, called for the abolition of the shilling charge on National Health Service prescriptions as being a "tax on the sick."

Other matters dealt with by the meeting, the fiftieth in the series, included the advertising content of the Association's publication, *Family Doctor*. An amendment to the motion that the report of the *Family Doctor* committee be accepted alleged that the publication carried advertisements for drugs of doubtful value and condemned that as "unethical." On an assurance from the chairman of the committee that all advertisements were closely scrutinised and that in any case only 5 per cent. of the revenue came from that source, the mover sought leave to withdraw the amendment but that was refused by the meeting and the amendment was thereupon passed by 150 votes for to 116 against.

A motion asking the council of the B.M.A. to use its influence with the Government to allow the export of antibiotics to the medical profession in China was abandoned when it was explained from the platform that antibiotic exports were permitted, that Britain was exporting them, and that the motion was therefore in the circumstances redundant.

At the 121st annual meeting of the B.M.A. held during the same period, Mr J. W. Tudor Thomas, Cardiff, was elected president of the Association, 1953-54.

NATIONAL FORMULARY First Amendment

IN a letter to Executive Councils on July 13, the Ministry of Health announced that the First Amendment 1953 to the National Formulary 1952 has now been published. Copies of the Amendment on gummed and perforated paper are being sent to Executive Councils shortly for issue to chemist contractors, doctors and doctors' assistants. Most of the Amendment is concerned with amending formulas and titles to bring the Formulary into line with the British Pharmacopoeia, 1953. It has been agreed with the Central National Health Service (Chemist Contractors) Committee that from September 1 (when the new B.P. becomes official) to December 1 chemists may dispense orders for the preparations shown in the First Amendment 1953

either as indicated in the N.F. 1952 or as in the First Amendment. Contractors need not endorse the prescription to show which formula has been used. A few other amendments have been made. Benzoic acid in a number of liquid medicines, for example, has been replaced by solution of benzoic acid. The Amendment also contains two copies of a Latin-English index of the Formulary section headings; it is intended that one copy should be affixed to the National Formulary and the other used separately for convenient reference. Copies of the Amendment are now available from the joint publishers, The Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1, and the British Medical Association, Tavistock Square, London, W.C.1, price sixpence.

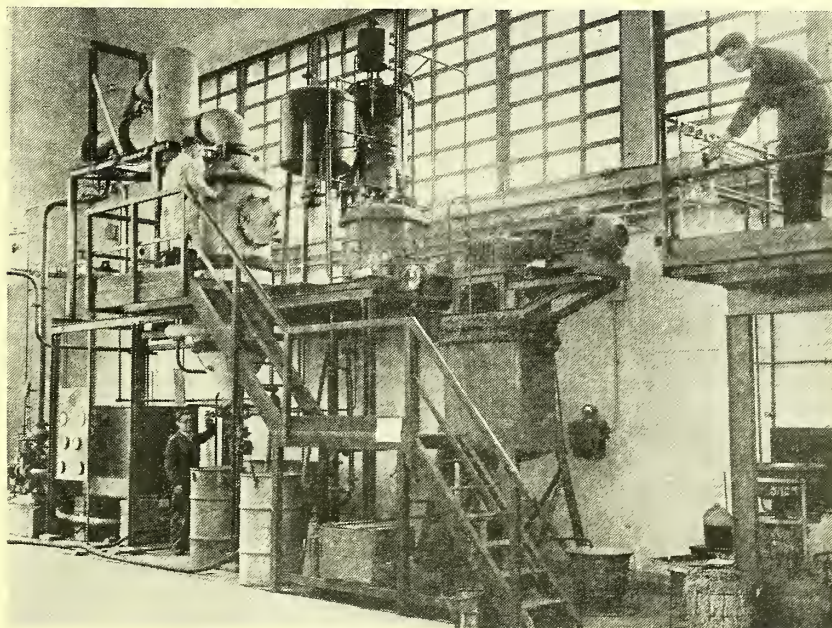
POISONS LIST Impending Changes

UNDER Statutory Instruments that are being prepared and which are to give effect to recommendations made by the Poisons Board to the Home Secretary, it is proposed that to make the following changes in the Poisons List and the Schedules to the Poisons Rules:—

Sodium nitrite will be added to Part II of the Poisons List, and provision made in Group II of the Third Schedule for exempting it from the requirements of the Pharmacy and Poisons Act and the Poisons Rules except when in preparations for the destruction of rats or mice. The heading: *Anti-histamine substances, the following; their salts* will, wherever it is used in the Poisons List and the Schedules be amended to read: *Anti-histamine substances the following; their salts; their molecular compounds.*

Ambodryl will be added to the anti-histamine substances included in Part I of the Poisons List and the Schedules.

The following are to be added to Part I of the Poisons List and Schedules I and IV:—Chlorpromazine, phenylbutazone, dithienylallylamine compounds (inclusion in Schedule IV will cease if controlled by the Dangerous



CHEMICAL WORKS EXTENDED.—T. & H. Smith, Ltd., chemical manufacturers, Blandfield Works, Edinburgh, have completed the erection of the factory building illustrated, part of a three-and-a-half acre extension. The block is a reinforced concrete frame building with no constructional steel work visible. The inside of the roof is covered with half an inch of asbestos to improve thermal insulation and avoid condensation.

Drugs Acts), mustine, triethylene melamine and myleran.

N-allylnormorphine, 3 methoxy-N-methylmorphinan and morpholinylethylmorphine will be added to Part I of the Poisons List and to the First Schedule (except substances containing less than 1.5 per cent. of morpholinylethylmorphine). Procaine when associated with penicillin or other substances to which the Therapeutic Substances (Prevention of Misuse) Act applies and included in concentrates or animal feeding stuffs covered by Regulations made under that Act will be exempted from the requirements of the Pharmacy and Poisons Act and the Poisons Rules.

BIRMINGHAM ANALYST

"Faith cure" sample

AMONG miscellaneous samples submitted to the Birmingham analyst and mentioned in his recently issued report for the first quarter of 1953 was one of a so-called herbal remedy supplied to a private person by a pharmacist in the South of England. The latter had advertised the remedy in one of the "more exotic" weekly journals as a lily of the valley preparation recommended for heart trouble. The total solid matter in the preparation was found to be 250 parts per million and contained traces of chalk. It gave no chemical reaction for the characteristic constituent of lily of the valley and an amount equal to twenty human doses was injected into a guinea pig without effect. It was in fact, says the analyst, ordinary tap water and the cost of one month's supply was 3s. The person who submitted the sample had received a refund of his money and with it a description of the method of preparation, which included filling a thin glass bowl with water, floating lily of the valley blooms on the surface and leaving in bright sunshine. The blooms were then said to be picked out and a drop or two of the water diluted with water to the volume of the preparation supplied. The Ethical Committee of the Pharmaceutical Society is reported by the analyst to be satisfied that the pharmacist acted in good faith but to have requested him to discontinue any claim to membership of the Society in connection with his faith-healing activities. He was also called to task by the Ethical Committee for making a statement in his letter to the complainant that "this preparation is the finest remedy in the world for heart trouble and if taken regularly . . . is a certain cure."

Informal samples of drugs examined during the quarter numbered 201 of which nine were unsatisfactory. They included a sample of strong ammonia, two of ammoniated tincture of quinine, and one of sal volatile deficient in ammonia; and two samples of throat tablets deficient in iodine.

HISTORY OF PHARMACY

International Academy

A LIST of the original members of the *Académie Internationale d'Histoire de la Pharmacie* was issued recently. Since their appointment, four have died. (The names of the officers were published in the *C. & D.*, March 7, p.

227.) On May 1, Austria, Belgium, Denmark, France, Great Britain, the Netherlands, Italy, Jugo-Slavia, Peru, Sweden and Switzerland were each represented by two members; Argentina, Brazil, Ecuador, Germany, India, Israel, Japan, Norway, Puerto Rico, Spain and the United States each by one member. The first official session of the *Académie* is to be held in Paris in mid-September. The founder members from Great Britain are Mr. H. Bayles, Old Catton, and Sir Hugh Linstead, London, W.C.1.

The inaugural meeting of the *Académie* is being held in Paris on September 17. An introductory address by the first vice-president (Mr. G. E. Dann) is being followed by an address of the president (Dr. George Urdang) (read by the general secretary (Dr. P. H. Brans)). Reports by the secretary and treasurer (Dr. D. A. Wittop Koning) and presentation of the first George Urdang medal are also on the agenda. The meeting is to be followed by a session devoted to organisation of the *Union Mondiale des Sociétés d'Histoire Pharmaceutique* as the historical section of the International Pharmaceutical Federation. At this session the Parmentier medal is being presented.

PRESCRIPTION HOARD

Settlement arranged

THE Leeds Executive Council has paid £5,151 to a chemist contractor in respect of 38,338 prescriptions dispensed during the period July 1948 to May 1952, and submitted for pricing in one batch (see *C. & D.*, May 16, p. 486). Concerning the apparent breach of the contractor's terms of service in not submitting his prescriptions to the Pricing Office within the prescribed period the Council has decided that in view of the extenuating circumstances including the prolonged illness of the pharmacist and resultant staffing difficulties and that the contractors are now conforming to the requirements under their terms of service and have furnished the Council with an assurance in writing that a similar delay would not recur, no disciplinary procedure should be taken in the matter. In the event of a recurrence the Council would take a more serious view on the matter.

CLINICAL RESEARCH

Government approval for plan

PROPOSALS for centralised research directed through a clinical research board covering Great Britain, to be appointed by the Medical Research Council, and for decentralised research through the hospital boards, have been welcomed and accepted, subject to detailed consideration of their practical application, by the responsible Ministers and the Chancellor of the Exchequer, Mr. J. A. BOYD-CARPENTER announced in the House of Commons on July 14. All concerned, he said, were agreed that the time was ripe for reorganisation and development. No additional burden on public funds would be involved in 1953, but Mr. Butler was ready to agree in principle to reasonable additional financial provision from the Exchequer (on the lines

suggested in the report) as the work develops.

PHARMACISTS' UNION

June council meeting

AT a council meeting of the Registered Pharmacists' Union held in London recently, an application from members in the Bristol area for permission to set up a district branch was approved. Dr. D. J. Gibson (treasurer) was nominated to attend the inaugural meeting. The Council considered an invitation from the Guillebaud Committee of Inquiry into the National Health Service for the union to submit written evidence. It decided that the first step would be to set up a steering committee to report its findings at the September council meeting. The committee would report upon both economic and professional aspects, including examination of the Drug Tariff, parts 1, 2, 5 and 7; ethicals; prescribing habits; the shilling levy; and containers.

MONOPOLIES BILL

Text published

THE Monopolies and Restrictive Practices Commission Bill, which was read a second time in the House of Commons on July 10 (see p. 55) aims at strengthening the Monopolies Commission and enabling it to deal at one time with a greater number of references. No conclusion reached by the Commission will empower the Government to take remedial action under the principal Act unless it is reached by at least two-thirds of the members of the group responsible. Copies of the Bill are obtainable from H.M. Stationery Office, price sixpence.

WORLD PHARMACY

Society's delegates to Paris meeting

THE Pharmaceutical Society's delegates to the Paris meeting of the *Fédération Internationale Pharmaceutique* in September (*C. & D.*, June 27, p. 678) are the president, vice-president, Mr. Donald Hudson, Professor A. D. Macdonald and Mr. F. C. Wilson (members of Council), Mr. F. W. Adams and Sir Hugh Linstead (joint secretaries) and Mr. H. S. Grainger (chief pharmacist, Westminster Hospital).

S.W. LONDON HOSPITALS

Discussions on economies

A SERIES of meetings of the South-west Metropolitan Hospital Pharmacists' Committee has been held recently to consider a Ministry of Health circular on economies in buying hospital supplies. In the autumn the Committee is calling a meeting of hospital pharmacists employed in the area to discuss that and other matters.

FILM CONFERENCE

Royal patron

THE International Scientific Film Association is holding a Conference in London, September 18-27, at which scientific films from all parts of the world are being shown. H.R.H. The Duke of Edinburgh has consented to be Patron of the Conference.

LOCAL NEWS

Long Service Awards

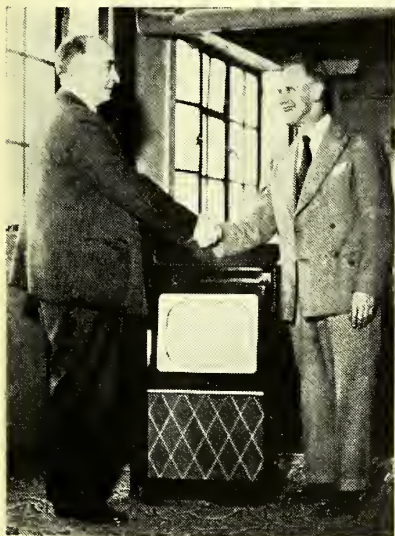
AT a social and dance in Leeds on July 7, Mr. G. J. Rushton (vice-chairman and managing director of Timothy Whites & Taylors, Ltd.) presented cheques of £100 each to male members of the staffs of the company who had forty years' service, and £50 each to women with twenty-five years' service. Illuminated scrolls were also presented. Among those so honoured were Messrs. R. C. Sheppard, M.P.S., W. U. Tyson, W. Ball, M.P.S., and A. E. G. Simpson, M.P.S. Since 1945 the company has made 212 awards for long service, paying out £24,785.

Essay Prize

AN annual prize of books to the approximate value of £10 10s. for an essay competition in the department of pharmacy, Liverpool College of Technology "to demonstrate the candidate's ability in the use of English," is being presented by The Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19.

NEWS IN BRIEF

Retirement Presentation.—At a ceremony held on June 30, Mr. J. Oliver (cashier and registrar, Allen & Hanburys, Ltd., London, E.2), who retired



on that date, was presented with a television set from his colleagues in appreciation of his fifty-two years' service with the company.

SPORT

Golf.—LONDON CHEMISTS' GOLFING SOCIETY, competition for Arthur H. Cox prize at Bush Hill Park Golf Club on July 8, winner: W. M. Ballantyne 67 net; other leading scorers were C. H. Maile 67 and W. S. Hutcheon 67 (decided with W. M. Ballantyne on last six after a tie), H. R. Nightingale 71, R. C. Poole 71. Bogey competition for Hepburn shield, winner: W. S. Hutcheon 1 up; other leading scorers were C. H. Maile, G. T. Morson and T. M. Hunnings 1 down.

EDINBURGH CHEMISTS' GOLF CLUB, competition at Kilspeindie, recently, Crookes' trophy: J. W. Martin (24), 65; No. 1 section, H. Semple (1), 69; No. 2 section, F. Maloney (18), 69; No. 3 section, J. White (20), 77; Best scratch score and Boots' prize (Stableford), H. Semple.

TOPICAL REFLECTIONS

By Xrayser

Tonics

The *rationale* of administering a tonic, with sedation as the alternative, is fairly set forth in "Tonics and Holidays," the fourteenth article of the series "Essentials of Treatment" (pp. 41-42). Your expert's concluding sentence is noteworthy: "Nervous debility may not endanger lives, but it is probably as important economically to the community today as smallpox was to the people living two hundred years ago." Commenting on the fact that doses of strychnine now usual are small, the author writes: "The main effect of strychnine in a tonic is, therefore, that of a bitter, and any increased strain its administration places upon the nervous system is neutralised by the improvement in general nutrition." In the next paragraph he remarks: "Let it be assumed that, in the majority of cases, the beneficial effect of a tonic is not to be found in the pharmacological properties of the medicaments it contains, and there can only be one answer to the value of those medicines, namely, psychology." Is there no other explanation? Occasionally I have suggested to medical friends that some of the chemical ingredients of a tonic act by catalysis or by an analagous process. But until more is known about what takes place in cellular tissue, such an explanation must, of course, be entirely speculative.

Road Accidents

With holidays I connect road accidents. A serious collision on a road can cancel the benefit derivable from a holiday, whether it is coupled with a tonic or not. Personal injuries do not always complete the adverse balance: commercial vehicles and goods conveyed in them may be involved. During a debate in the House of Lords on July 8 it was stated (I cite the *Times* report) that there are on our roads about five million motor vehicles, and that the cost of road accidents to the country is £146 millions a year. The Secretary for the Co-ordination of Transport, Fuel and Power said that the monthly figures have lately shown "a disturbing and persistent tendency to increase," and are about 9 per cent. above the corresponding figures for 1952. The Chancellor of the Exchequer, he added, has recently agreed that payments from the Road Fund may be allowed to increase during this financial year above the level provided for in the estimates. Whatever is done nationally towards making roads safer, the responsibility of every driver remains. Failing that, we may, as was suggested in the debate referred to, "soon reach a total road casualty rate of about 250,000 a year, 5,500 of which would be fatal."

Conditions in New Zealand

Notes on pharmacy in New Zealand on p. 28 are of considerable interest. The Chemists' Service Guild of New Zealand, which has issued its twenty-first annual report, is undoubtedly an active champion of the rights of its members. During the past five years the Guild "has assumed much more real power," for "it has taken over centralised pricing both in retail selling and in negotiating for dispensing rates with the Government." Since the inauguration of a national dispensing service, the country's "intake," as your contributor calls it, has increased from two million prescriptions at 2s. 6d. each to eight million at more than 6s. each. Containers for dispensed medicine, "a continual bane during negotiation of prescription prices," have now been averaged at fourpence for each item. British panel contractors will reflect with envy on the news that their New Zealand *confrères* "do not suffer the long wait for payment for dispensing that troubles British chemists." Raising pharmaceutical education to university level is described as the major problem now confronting the Guild and the Pharmacy Board. We may conclude that in so enterprising a Dominion the problem is being tackled with resolution. It may be that the goal will not be reached by a single effort, but perseverance will win it. The recent experience in this matter of Great Britain, Canada and the United States may serve as a guide to the steps to be taken.

IRISH NEWS

Cameras Theft

THE window of Butler's Medical Hall, Eden Quay, Dublin, was broken and a number of cameras taken on June 12.

Retirement Presentation

AT a ceremony held at the headquarters of Evans Medical Supplies (Ireland), Ltd., recently, presentations were made to Mr. William R. Such on his retirement from active management of the company. Mr. Dermot Glavey (for the directors) presented Mr. Such with a canteen of cutlery. Mr. Tom Jones (for the representatives) presented him with a golf caddy ear and wished him many years of health and happiness in his partial relinquishment of duties. Mr. J. White (for the clerical, transport and warehouse staff) presented Mr. Such with a wristlet watch. Mr. Such said he would miss the day-to-day association with so many friends, who had been such a loyal team. For forty-six years he had been associated with the company, twenty-three of them spent in Dublin, and they were some of the happiest of his life. Those present included Messrs. E. Willis (a director), E. B. Abram (manager), and Dr. Ralph Powell (chief of the medical information department, Evans Medical Supplies, Ltd., Speke, Liverpool). Mr. Such continues as a director.

Fall in Prescription Cost

A FALLING off in the cost of the pharmaceutical services has been reported to the Select Committee on Public Accounts by the Permanent Secretary to the Ministry of Health and Local Government in Northern Ireland (MR. L. G. P. FREER). He said that the fall was partly due to the shilling charge and partly to the action of the General Health Services Board on prescribing by doctors. Mr. Freer described as "very striking" the fall in the prescribing costs of doctors whose averages were more than normal. While there had been fewer prescriptions, however, the average cost had risen from 7s. to 7s. 9d. per form owing to the increased cost of drugs. Referring to a report of the Comptroller and Auditor-General that there had been fifty-eight tests of prescriptions dispensed by chemists, "a very small



Mr. Dermot Glavey presenting Mr. W. R. Such with a canteen of cutlery on his retirement from the active management of Evans Medical Supplies (Ireland), Ltd. (see second paragraph on this page). At left is Mr. T. Jones and behind is Mr. Joe White.

number" in relation to the total number of forms, Mr. Freer said the Board's view was that there should be a 10 per cent. check. In no case had there been a serious discrepancy.

Praise for Chemists

TRIBUTE to the services pharmaceutical chemists render to the medical profession was paid by Professor T. G. Moorhead at Waterford, recently, when he opened the Irish Medical Exhibitors' Association's exhibition held in conjunction with the Irish Medical Association's annual congress. Twenty years ago as president of the British Medical Association, Professor Moorhead said he had opened a similar exhibition, but great strides had been made since then. Much credit was due to the manufacturing houses for the amount of research they had done throughout all those years. The results of that research were of great assistance to the medical profession. Where in the rush of practice a practitioner might make an error in dosage, or incompatibility in a prescription he could always count upon the co-operation of pharmacists and have the matter put right. This "close and happy

association" between the medical men and the pharmacists was to the mutual good of both professions. Guests of honour at the Medical Association's dinner held during the Congress were Messrs. J. P. Kissane (president of the Pharmaceutical Society of Ireland) and W. Mullen, L.P.S.I. (president of the Medical Exhibitors' Association). Waterford pharmacists were also guests of the Medical Association at a cocktail party held at the opening of the Congress. The firms that exhibited at Waterford were Burroughs Wellcome & Co., Reckitts (Ireland), Ltd., Newton Victor (Ireland), Ltd., John Wyeth & Bro., Ltd., Smith & Sheppard, Bayer Products, Ltd., Eli Lilly & Co., Ltd., Edward Taylor (Ireland), Ltd., May & Baker, Ltd., Philips Electrical, Ltd., Crookes Laboratories, Ltd., Ciba, Ltd., Organon, Ltd., Fassett & Johnson (Ireland), Ltd., Chilean Iodine Bureau, Sharp & Dohme, Ltd., Smith & Nephew, Ltd., British Schering, Ltd., Lederle Laboratories, Newton, Chambers & Co., Ltd., The British Drug Houses, Ltd., William R. Warner & Co., Ltd., Boots, Ltd., Schering A.G., Imperial Chemical (Pharmaceuticals), Ltd., and Antigen, Ltd.



IRISH MEDICAL EXHIBITION: Left, Professor Moorhead opens the exhibition organised for the Irish Medical Exhibitors' Association in Dublin recently. Right, A general view of one side of the hall. [Photographs, Sylvester O'Farrell]

NORTHERN IRELAND HEALTH BOARD

Subcommittee on Incurable Diseases

THE Northern Ireland General Health Services Board at its meeting on June 24 decided to appoint a subcommittee to investigate the prescribing of drugs for incurable diseases. The decision followed the resignation from the service of a doctor from whom the Board had directed the recovery of the cost of Anahæmin prescribed for the treatment of cancer.

THE SECRETARY (Mr. G. D. Stewart), said the doctor had been offered every opportunity to justify his continued prescribing of very large quantities of Anahæmin. In this he had failed, and it was clear from the evidence that his experiments were not controlled in any way and that the preparation had been only part of the treatment in each case. The Board had no option but to accept the findings of the Central Medical Committee that the prescribing was excessive although they need not necessarily recover the amount of the excess. THE MEDICAL ADVISER said it had not been suggested that the doctor was treating patients wrongly. It was not thought practicable, however, for a general practitioner to engage in adequately controlled research without ancillary help and the cost of any such research by a general practitioner was not an appropriate charge on the Pharmaceutical Service. DR. J. GIFF said the doctor's resignation would reflect badly on the Board, which had no right to interfere if the doctor considered the drug the right treatment for his patients. The Board should have backed the doctor.

Revised Testing Scheme

A revised draft of the Drug Testing Scheme drawn up by the Pharmaceutical Advisory Committee of the Northern Ireland General Health Services Board has now been approved and forwarded to the Local Pharmaceutical Committee for their observations before submission to the Ministry of Health and Local Government.

A report by the Advisory Committee to the Board at its June meeting said that the question of the inclusion of two new entrants to the Pharmaceutical List in the Londonderry rota service had been referred to the Local Pharmaceutical Committee.

The Committee referred to the Pharmaceutical Society of Northern Ireland for their observations a complaint from a chemist that another chemist in the immediate vicinity had kept his premises open each night beyond the recognised closing hour.

The alteration of the Sunday rota service in Portadown to 2-3 p.m. instead of 5.30-6.30 p.m. was approved on the understanding that the original hour would be substituted if the new arrangement was found unsatisfactory.

On the minutes of the Drug Pricing Committee it was stated that the secretary had drawn attention to the case of a doctor against whom it had been alleged that his prescriptions were being passed to his brother who was a chemist. The doctor had replied that most of the patients who continued to have their prescriptions dispensed by

his brother had been his private patients prior to the scheme and had at that time been advised by him to have their prescriptions so dispensed.

THE SECRETARY pointed out that the doctor had stated in a previous letter that he had never directed any patient to a particular chemist nor had he denied to any patient free choice of chemist. THE PHARMACIST reported that, of 365 prescriptions submitted by the chemist for May 1952, 55½ per cent. had been written by the doctor concerned.

MR. H. W. GAMBLE informed the Committee that a certain chemist was prepared to say that one of the doctor's patients had informed him that it was the doctor's practice to pass prescriptions direct to his brother who then delivered the item prescribed to the patient. The Committee agreed that the doctor should be asked for his further observations on that point.

The Committee considered an application from a chemist for an advance payment of £100, it being pointed out that the amount due to the pharmacy for balances outstanding at March 31 last was £50 10s. It was agreed that payment of the outstanding balance should be made on the grounds of hardship but that such payment should not create a precedent for making payments earlier than to other chemists.

A report was received that a chemist had been unable to dispense a test prescription as he was out of stock of one of the ingredients. The chemist, in a letter, said the prescription was the first of its kind he had received since the Scheme came into operation. He had not endeavoured to secure the ingredient from another chemist. The Committee held that as it was an unusual case no action should be taken other than to remind the chemist of his obligations under the regulations.

Prescription Code Change

THE SECRETARY submitted a suggested new layout of the prescription code prepared by the pharmacist with the object of grouping all preparations in the Code into eight distinct categories. MR. JOHN MCGREGOR expressed the opinion from the chemist's point of view that the revised code was too complicated and would be unworkable. He suggested that minimum and maximum quantities should be inserted in the existing code against each product. That would go far to achieve the object of the revision. MR. GAMBLE said that the new scheme would not be acceptable to chemists in view of the complications which would arise and which would inevitably require more of the chemist's time. He felt that the number of errors by chemists in coding would increase with correspondingly increased difficulty for the Board, and suggested that an additional collating machine should be installed and that doctors should be asked to co-operate by avoiding where possible the use of unusual quantities in prescriptions.

The Committee agreed to refer to the Medical Advisory Committee the question of unusual quantities and that

Messrs. Gamble, McGregor and R. Gibson and the Board's staff should discuss the present problems and difficulties of coding with experts. They were of opinion that the number of pricers employed should be increased at an early date to ensure that arrears were cleared as quickly as possible. THE SECRETARY reminded the Committee of the length of training necessary before a pricer became effective. The Medical Advisory Committee, in reply, agreed that doctors should be asked to co-operate in avoiding the use of unusual quantities in prescriptions. To assist doctors to comply, the secretary was instructed to furnish details of the quantities of commonly used packs.

The Board ordered a deduction of £3 3s. from the remuneration of a chemist who was found by the Services Committee to have dispensed 11.1 per cent. of citric acid in excess of the amount in a test prescription for mist. pot. cit.

CHEMISTS FEDERATION

Council meeting

A MEETING of the Chemists Federation was held in London on July 2, the president (Mr. S. M. Lennox) in the chair. Meetings of the C.F. finance and establishment, propaganda and standards committee had been held the previous day. An application for manufacturer membership of the Federation by Riker Laboratories, Ltd., Kirkewhite Street, Nottingham, for Veriloid tablets, intramuscular solution, VP tablets, and intravenous solution was approved, as were the following additions to schedules of C.F. agreements:—Allied Laboratories, Ltd. (Locan cream); Burroughs Wellcome & Co. (Histofax); Christie, George, & Co., Ltd. (Hexacream); C. J. Hewlett & Son, Ltd. (Iodermiol); Parke, Davis & Co., Ltd. (Ambodryl capsules); A. Wander, Ltd. (Wandervite compound vitamin capsules); and Wigglesworth, Ltd. (Sure-rest tablets).

A report on propaganda work undertaken by the representative of the Federation among chemists in the Anglesey, Carnarvonshire and Colwyn Bay Branch of the National Pharmaceutical Union, and in parts of Denbighshire, was received. Mr. W. T. Elder reported that the Scottish Pharmaceutical Federation was arranging several meetings of chemists in Scotland which he would address on C.F. matters and had suggested that the assistant secretary should visit those areas at the same time. The Council approved those suggested arrangements. Further arrangements were made for the C.F. national display fortnight, October 5-17, and decisions taken regarding special show material, which is being distributed free of charge to all chemists for use during the fortnight. The Council gave further consideration to a statement which it has been invited to submit to the Monopolies and Restrictive Practices Commission relevant to the inquiry being held by the Commission into certain trade practices.

BIRTH

FERGUSON.—At Queen Mary Nursing Home, Edinburgh, on July 8, to Helen, wife of John James Edmund Fergusson, M.P.S., 3 Westfield Court, Edinburgh, a son.

DEATHS

BARRASS.—On June 23, Mr. Robert Greenwood Barrass, M.P.S., 22 Coronation Road, Droylsden, Manchester, aged forty-six.

BAXTER.—At Kirkcaldy, on June 30, Mr. Henry Baxter, M.P.S., 91 Lady Nairn Avenue, Kirkcaldy. Mr. Baxter qualified in 1904. He was employed with Dysart Co-operative Society, Ltd., in Kirkcaldy.

CHARNLEY.—On June 11, Mr. Charles Charnley, M.P.S., Oaklands, Fulshaw Park, Wilmslow, Manchester, aged seventy-five.

CORP.—On June 18, Mr. Howard Raymond Corp, M.P.S., 15 Pittville Lawn, Cheltenham, Glos, aged thirty-one.

FERRIS.—On June 4, Mr. Robert Henry Ferris, M.P.S., 346 Limpsfield Road, Sanderstead, Surrey. Mr. Ferris qualified in 1909.

GEORGE.—At The Croft, Ton-Pentre, Glam, on July 6, Mr. David George, Ph.C. Mr. George qualified as a Chemist and Druggist in 1890, and passed the Pharmaceutical Chemistry examination in the following year.

GOODEY.—On July 7, Dr. Tom Goodey, O.B.E., D.Sc., F.R.S. (head of the nematology department at the Rothamsted Experimental Station), aged sixty-seven. Dr. Goodey was the author of *Plant Parasitic Nematodes*, which he was revising at the time of his death, and which is a standard work on the subject, and *Soil and Freshwater Nematodes*, an authoritative survey published in 1951.

JONES.—On June 3, Mr. Wallis Jones, M.P.S., 2 Manor Parade, Hinckley Wood, Esher, Surrey, aged sixty-eight.

MANNING.—On June 21, Mr. Frederick William Manning, M.P.S., Park Corner Pharmacy, Fairfield, Glos, aged seventy-five.

MILLER.—On June 5, Mr. John Fletcher Miller, M.P.S., Apsley House, Mottram Road, Stalybridge, Ches. Mr. Miller qualified in 1905.

PALMER.—At the West Suffolk General Hospital, Bury St. Edmunds, recently, Mrs. Ruby Madeline Palmer, wife of Mr. C. F. Palmer, M.P.S., 32 High Street, Brandon, Suffolk (manager of H. J. Bromhall, Ltd., Brandon).

PATTULLO.—On June 14, Mr. Thomas Samuel Patullo, M.P.S., 62A Beancroft Road, Castleford, Yorks. Mr. Patullo qualified in 1920.

REYNOLDS.—On June 9, Mr. Charles Edwin Reynolds, M.P.S., 11 Dalby Square, Wollaton Park, Nottingham, aged eighty-eight.

TURNER.—On May 21, Mr. Gledstone Turner, 42 Ashleigh Street, Keighley, Yorks, formerly of Station Pharmacy, Keighley, aged seventy-three.

PERSONALITIES

MR. R. H. WILLIAMS, Cowbridge, has been renominated as the Pharmaceutical Society's representative on the County Health Committee of Glamorgan.

MR. A. DAVIDSON (managing director, May, Roberts (Ireland), Ltd.), has been appointed a peace commissioner by the Irish Minister for Justice.

MR. T. K. REID, M.P.S., Plymouth, won the first prize in a building decoration competition which formed part of Plymouth's Coronation year shopping festival.

MR. H. K. BECK, M.P.S., London, N.16, has been elected chairman of the Stoke Newington Rotary Club and re-elected chairman of the Stoke Newington Old People's Welfare Committee.

MR. EDWARD GURR, F.R.I.C., F.R.M.S., F.L.S. (managing director, Edward Gurr, Ltd., London) has been elected a member of the Institute of Biology.

MR. W. J. MERRICK, M.P.S. (public relations officer and publicity manager, Evans Medical Supplies, Ltd., Speke, Liverpool) has been elected chairman of the Liverpool Publicity Association.

MR. J. R. GUILER, M.P.S.N.I., former Northern Ireland representative of The British Drug Houses, Ltd., sailed for Tasmania on July 15 with his wife to visit their son, Mr. Eric Guiler, lecturer in zoology at Hobart University.

MR. H. WILLIAMS, M.P.S. (secretary of the Reading Branch of the Pharmaceutical Society), has been appointed a member of the science advisory committee of the Reading Technical College.

MR. G. G. HAMMOND, M.P.S. (managing director, Bradley & Bliss, Ltd., wholesale chemists, Duke Street, Reading) has been elected vice-chairman of the health and water committees, Reading Corporation, 1953-54.

MR. JOHN R. CHARLTON (senior chemists' representative for Evans Medical Supplies, Ltd.) completed fifty years' continuous service with the company on June 5. In the whole of his period of service Mr. Charlton has had only three days' absence through sickness.

MR. F. J. BENGUE (governing director and chairman of Bengue & Co., Ltd.), was recently elected an honorary fellow of the Royal Institute of Public Health and Hygiene and was presented with his certificate on July 2 by the president (Sir Walter Elliot). Mr. Bengue has been resident in Britain for nearly fifty years.

MR. JAMES GOW, M.P.S., Fortrose, Ross, who was recently elected chairman of the Inverness Branch of the Pharmaceutical Society, is in business in Fortrose in partnership with his son, Mr. Angus Gow, M.P.S. Mr. Gow served his apprenticeship in Strichen, Aberdeens, and qualified in 1920 after study at Robert Gordon's Technical College, Aberdeen, where he won a prize as the best student of his year. He served in the Armed Forces, 1916-18. After a period of service with

John Bell & Croyden, London, Mr. Gow went to Southern Rhodesia until 1927, when he returned and opened his business at Fortrose. He was elected to the local urban district council in 1928, became provost in 1935 and resigned owing to ill-health in 1946. He was then treasurer. In 1948 he was appointed to the Ross and Cromarty Executive Council, elected chairman of the local Pharmaceutical Committee, and appointed to the Pharmaceutical General Council (Scotland).

MR. THOMAS R. BOURKE (the newly elected president of the Irish Drug Association) is

the managing director of Hamilton, Long & Co., Ltd., Dublin, and chairman of Butler's Medical Halls, Ltd. Mr. Bourke, who is a native of Longford, began his career in pharmacy as an apprentice to the late Mr. W. Rowlette, Sligo. In September 1921 he joined the staff of Hamilton, Long & Co., Ltd., and the following year qualified with honours and was a medallist. In October 1923 Mr. Bourke was appointed manager of Butler's Medical Halls, Ltd. (which Hamilton Long had acquired), and in 1932 a director of the Butler company. When Dr. J. A. Mitchell died in 1941 Mr. Bourke was recalled to Hamilton, Long & Co., Ltd., and appointed managing director and subsequently secretary. Mr. Bourke has been associated with the Irish Drug Association as a member of the executive committee since 1941, and was vice-president in 1952. From 1945 to 1949 he was an examiner in pharmacy to the Pharmaceutical Society of Ireland and was appointed for a second term in 1952. Mr. Bourke is a keen golfer, gardener and angler.

MR. JEREMIAH SLATTERY, L.P.S.I., New York, U.S.A., graduated recently at the New York City College, with a B.Sc. in chemistry. Mr. Slattery, who is a native of Tralee, co. Kerry, went to the United States in 1932, where he attended the University of St. Louis, but returned to Ireland after two years to complete his course in pharmacy, qualifying in June 1941. From 1939 to 1948 he served in the Medical Corps of the National Army, following which he returned to the United States with his wife and son and began his studies at New York City College while working at the same time in the development department of a pharmaceutical concern. In addition to chemistry Mr. Slattery has been taking courses in bacteriology at City College and Columbia University, and intends to complete his studies for a degree in that subject by 1954. Mr. Slattery plans to continue his studies either in the United States or abroad for a Ph.D. in chemistry, specialising in medical research.



THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

ON the report stage of the Finance Bill on July 7, MRS. B. CASTLE moved an amendment to put an end to uplift. The Chancellor, she said, was getting more purchase tax than he was entitled to because of the basis on which it was calculated. The Grant Committee, set up to look into the matter of wholesale valuation for purchase tax purposes had recommended that "the actual price should not be increased by the interposition of an imaginary wholesale merchant," and that the actual price should not be increased by reference to wholesaling costs unless those were actually incurred or borne by the purchaser. Purchase tax should be based on the actual buying price of the retailer in almost every case, she said. It was useless for the Chancellor to say at one moment that he wished to reduce the cost of living by cutting purchase tax and then, at another, for purely revenue considerations, to refuse to operate a logical and fair administrative principle.

MR. R. A. BUTLER (Chancellor of the Exchequer) in reply said that the trades had not been able to give a final decision on the majority or minority reports of the Grant Committee, and the Government themselves had not yet received enough evidence from the trades. He had had a digest made of the evidence from the trade on the reports to date, but it did not represent an adequate sample on which the Government should make a decision. There was no doubt that a substantial element in the trade was in favour of the *status quo*. It was as strong as the evidence they had received in favour of the majority report. But in the circumstances he did not feel he could take a decision on the evidence before him. He hoped that before 1954 the Government would be able, on the evidence put before them on the basis of both reports, to come to a decision which would be agreeable to the House as a whole.

The new clause was defeated by 251 to 224.

Supplies of ACTH and Cortisone

MR. IAIN MACLEOD (Minister of Health) told MR. P. WILLIAMS on July 9 that the quantity of ACTH and cortisone supplied to selected hospitals would shortly be substantially increased.

Merchandise Marks

MR. S. T. SWINGLER asked the President of the Board of Trade on July 7, to what extent he had consulted with Commonwealth and foreign Governments on the subject of merchandise marks since he took office, and whether he would initiate such discussions for the purpose of preventing the circulation of counterfeit goods.

MR. H. G. STRAUSS (Parliamentary Secretary to the Board of Trade): Two international agreements governing this matter are already in force and the need has been not for general discussion but for taking up individual cases of complaint. Since 1952, the Board of Trade has taken up about 330 such cases in fifty countries. In reply to a

further question from MR. SWINGLER he said that of the 330 cases, not more than twenty were from Japan, and that in the cases which had been brought to their notice the Japanese Government had not been unreasonable in the action they took.

Veterinary Surgeons

SIR THOMAS DUGDALE (Minister of Agriculture and Fisheries) told COMMANDER R. SCOTT-MILLER on July 9 that the "ever increasing demand from the agricultural industry for veterinary services" would be met.

Analgesia Machines

MISS P. HORNSBY-SMITH (Parliamentary Secretary to Ministry of Health) told MRS. J. MANN on July 9 that the number of gas-and-air analgesia machines available to domiciliary midwives during the years 1948-52 were 4,098; 5,430; 6,051; 6,156 and 6,264 respectively.

Therapeutic Substances Bill

On the third reading of the Therapeutic Substances Bill on July 10, MR. IAIN MACLEOD said that it now seemed likely that aureomycin would be available earlier for agricultural uses than it did when the Bill was given a second reading. Provided that the Ministers responsible were satisfied after the necessary consultations that it would be suitable so to use it and provided that they had regard to their first duty—to ensure that there were sufficient antibiotics for therapeutic purposes, there was no objection to its agricultural use much earlier than had been expected.

The Bill was read a third time.

Monopolies Bill

A second reading was given to the Monopolies Commission Bill on July 10.

Introducing it, MR. PETER THORNEYCROFT (President of the Board of Trade) said that the Bill had been drafted so as to exclude everything that was unessential to the prime purpose that that or any other Government would have in mind in that particular field.

During debate, MR. HAROLD WILSON spoke of the Proprietary Articles Trade Association and instanced "the case of a tube of hand cream selling at 1s. 4d. and the Association raised the price to 1s. 8d. The shopkeeper did not raise the price because she had large stocks which were selling at 1s. 4d. Then she was visited by one of the snoopers of the Association who, to quote her words, 'told me that unless I raised my price to 1s. 8d. I would have my name placed on the P.A.T.A. stop list and supplies would be stopped.'"

"This meant," said Mr. Wilson, "that this innocent person was in the gravest danger of being put out of business by the activities of this Star Chamber association and with no redress in the form of an appeal to the Government or to the courts. It is against this kind of background that the adequacy of this Bill must be judged."

INQUESTS

Prescriber Criticised.—At an inquest recently on a woman who died of injuries after throwing herself from a window of a hospital after she had been found suffering from an overdose of drugs, the West Somerset coroner criticised a doctor for prescribing four times the lethal dose of Seconal. Forty tablets had been prescribed, to be taken at the rate of one a day.

Limitation of Drugs Discussed.—At an inquest at St. Pancras, London, coroner's court recently on a fifty-three-year-old clerk who was found dead in bed after having been prescribed sleeping tablets the previous day, the coroner said there had been a suggestion that it was not safe to prescribe barbiturates in large quantities for patients' personal use. A pathologist replied that prescribing small quantities would make difficulty for National Health Service patients who had to pay a shilling for each prescription.

Children Get Hold of Drugs.—A verdict of death by misadventure was returned at an inquest at Dudley, Worcs, recently, on a twenty-two-month-old child who died in hospital after eating twenty-five digoxin tablets. A Home Office pathologist told the coroner that some prescriptions were not marked "poison" because certain patients would not take them if they were so marked.—At an inquest at Mansfield recently on a one-year-old girl who died after swallowing Fersolate tablets that had been prescribed for her mother, the coroner said that the incident should serve as a warning to all parents. The mother said that the tablets were kept in a container on the sideboard and her child had gained access to it. A verdict that the child had died from encephalopathy due to iron poisoning was returned.—At a Liverpool inquest recently on a fourteen-month-old child who had swallowed tonic tablets containing strychnine that he had picked up from the floor where an elder brother had dropped them a verdict of misadventure was returned. The deputy city analyst said that each tablet contained rather less than gr. 1/100 of strychnine. From the child's organs gr. 1/30 had been extracted, and that could have been fatal at such an age.—A verdict of death by misadventure was returned at an East Kent inquest recently on a sixteen-month-old baby who died after drinking a quantity of oil of wintergreen. The mother stated that the child, who was lively and picked things up, had gained access to a bottle of wintergreen lotion for a few moments, during which he apparently drank some of the contents.—Recording a verdict of death by misadventure on a twenty-two-month-old child who had swallowed ferrous sulphate tablets intended for his mother the Southampton deputy coroner at an inquest in Southampton recently said that he would see that a suggestion that such tablets should be labelled "Dangerous to Children" was conveyed to the authorities. Ferrous sulphate tablets, he mentioned, were often prescribed at health and ante-natal clinics.

NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office

GREAT HORTON DRUG STORES, LTD. (P.C.).—Capital £1,500. Director: William C. Lea, M.P.S. R.O.: 522 Great Horton Road, Bradford.

A. E. AXTELL, LTD. (P.C.).—Capital £4,000. To acquire the business carried on by Alfred E. Axtell, M.P.S., at 25 Oxford Road, Kidlington, Oxford. Directors: Alfred E. Axtell and Peggy E. Axtell.

EDWARD JONES (CHEMIST), LTD. (P.C.).—Capital £10,000. To acquire the business now carried on by Edward A. Jones, M.P.S., at 13 Derby Street, Leek. Directors: Edward A. Jones and Frances G. Jones.

STRIX, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of toilet and cosmetic goods of all kinds, etc. Subscribers: Thomas S. Sutherland, 1 Queens Terrace, Aberdeen, and Margaret B. Main.

COURT SURGICAL STORES, LTD. (P.C.).—Capital £2,000. To deal in proprietary articles, surgical and optical instruments, etc. Directors: Anne Raad and Leonard Carr. R.O.: 12 Marriotts Court, Manchester, 2.

THERAPRODUCTS LABORATORIES, LTD. (P.C.).—Capital £5,000. To deal in chemicals, drugs, medicines, etc. Directors: John F. Barham and Dr. Adam Clark. R.O.: 43 Fulwood House, Fulwood Place, London, W.C.1.

C. H. BECK, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Directors: Barnett Beck, Leah Beck and Cyril H. Beck, M.P.S. R.O.: 81 Upper Clapton Road, London, E.5.

PURMAT (DRUGS), LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists and librarians, etc. Directors: Hans G. Blank and Harold L. Goodman. R.O.: 10 Coleman Street, E.C.2.

COLLYHURST PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: Ellis Harris, M.P.S., and Louis Goodall. R.O.: 485 Rochdale Road, Collyhurst, Manchester.

FITZPATRICKS CHEMISTS, LTD. (P.C.).—Capital £1,000. To acquire the business of a drug store proprietor carried on at 27 Harrowside, Blackpool. Directors: Francis E. Fitzpatrick, Annie Fitzpatrick and Joan M. Alderson, M.P.S.

TUNISIAN INDUSTRIAL RESEARCH, LTD. (P.C.).—Capital £50. To deal in chemicals, drugs, manures, fertilisers, etc. Directors: Julius Grant and Joseph P. L. Spiteri. R.O.: 107 Fenchurch Street, London, E.C.3.

JOHN BINGHAM, LTD. (P.C.).—Capital £100. To carry on the business of wholesale and retail chemists and druggists, etc. Directors: John Bingham, M.P.S., and Margaret A. Bingham. R.O.: 24 East Street, Bridport, Dorset.

HARRISON & HOWELLS, LTD. (P.C.).—Capital £3,500. To acquire the business carried on as "Harrison &

Howells Chemists" at 150 Merton Hall Road, London, S.W.19. Directors: Francis Middlehurst, M.P.S., and Bridget M. Middlehurst.

D. DAVIES (HANDSWORTH), LTD. (P.C.).—Capital £3,000. To carry on the business of retail and manufacturing chemists and druggists, distillers and refiners of glycerin, etc. Directors: Joan C. Triston, M.P.S., and Barbara R. Lashford. R.O.: 179 Rookery Road, Handsworth, Birmingham.

LLOYD ROACH, LTD. (P.C.).—Capital £6,000. To carry on the business of wholesale or retail chemists, etc. Directors: Thomas Lloyd Roach, M.P.S., Michael Lloyd Roach, David Lloyd Roach, Dorothy M. A. M. Holtham, Jesse W. Green, M.P.S., and Brenda M. Williams, M.P.S. R.O.: 6 Waterloo Road, Smethwick, Staffs.

Company News

Previous year's figures in parentheses

TELGOR, LTD., is the new trading name adopted by Roger & Gallet (London), Ltd., on June 19.

LAPORTE TITANIUM, LTD., is the new title to be adopted by National Titanium Pigments, Ltd., from July 20.

BEECHAM GROUP, LTD.—Subject to completion of audit, the consolidated trading profit for the year ended March 31 is £2,531,518 (£2,605,058), including profits of overseas subsidiaries, amounting to £21,100 (£112,154) which are not currently remittable. Taxation is £1,563,492 (£1,509,856). Provision has been made to offset any depreciation in the sterling value of their Brazilian subsidiary arising out of that country's new free rate of exchange. Part is provided out of the group's profits and the remainder by the subsidiary concerned. Net profit is £968,026 (£1,095,202) and surplus, £766,762 (£887,341). A final dividend of 4 per cent. on the £1,850,000 deferred capital is recommended, making a total of 40 per cent., less tax (same rate as previously but was then paid on smaller capital).

Voluntary Liquidations

MEDATOX, LTD., chemists. (R.O.): 16 Grosvenor Square, London, S.W.1. Liquidator: Mr. H. L. Berlak, 283 Watford Way, London, N.W.4.

D. JONES & SON (CHEMISTS), LTD., 9 College Green, Towyn. Merioneths. Liquidator: Mr. R. P. Booth, 5 Rumford Place, Liverpool, 3.

BURRELLS (CHEMISTS), LTD., 10 King Street, Market Rasen, Lincoln. Liquidator: Mr. R. P. Booth, 5 Rumford Place, Liverpool, 3.

PARSCENT, LTD., dealers in cosmetics, etc. (R.O.): 4b Fredericks Place, Old Jewry, London, E.C.2. Liquidator: Mr. R. L. Latimer of the same address.

A. RUDNICK, LTD., chemists' wholesale sundriesmen, 75 Duke Street, Liverpool. Liquidator: Mr. E. S. Browne, 41 North John Street, Liverpool, 2.

LEGAL REPORTS

Pharmacy Act Fines.—At Bow Street, London, police court on June 29, Stephen Jacobs, Anson Road, Cricklewood, and Roy Day, Alicia Gardens, Kenton, said to be partners in the New Chemical Co., were fined a total of £5 with £5 costs for breaches of the Pharmacy and Poisons Act, 1933. The charges were of selling by retail at the Inventions Exhibition, Central Hall, Westminster, a preparation called "liquid Nuchrome," containing nitrate of mercury, without being authorised sellers of poisons; for selling it in a container not labelled with the name of the poison and the word "Poison," or other prescribed indication of the character of the article; and for selling in a bottle not vertically fluted or grooved. The defendants pleaded guilty. —Fines totalling £20 with £6 6s. costs were imposed by the District Justice at Donegal, recently, when Mr. Joseph McQuaid of McQuaid's Medical Hall, Falcarragh, co. Donegal, pleaded guilty to three summonses brought at the instance of the Pharmaceutical Society of Ireland. He was summoned for breaches of the Pharmacy Act by keeping open shop without having a qualified person in charge, and with making a sale of a Part 1 poison through an unqualified person. There was a further summons under the Poisons Law with selling a Part 1 poison in an unlawful manner.

BUSINESS CHANGES

Mr. M. H. BURGESS, M.P.S., has removed his pharmacy from High Street to Eves Corner, Danbury, Chelmsford, Essex.

TELGOR, LTD. (formerly Roger & Gallet, Ltd.), have removed to Beasley's Ait Works, Ford Bridge Road, Sunbury-on-Thames (telephone: Sunbury-on-Thames 3375).

THE Industries Branch of the Board of Trade's Commercial Relations and Exports Department is moving to Lacon House, Theobalds Road, London, W.C.1, on July 21 (telephone: Chancery 4411). At the same time, its title will be changed to "Export Services Branch."

Appointments

GLAXO LABORATORIES, LTD., Greenford, Middlesex, have appointed Mr. A. E. Bide, B.Sc., A.R.I.C., their deputy company secretary.

HUGHES BRUSHES, LTD., 240 Bath Road, Slough, Bucks, have appointed Mr. H. Meyer their home and export sales manager (see C. & D., June 13, p. 632).

KAYLENE, LTD., Waterloo Road, London, N.W.2, have appointed Mr. R. E. Parker to their staff as a representative.



Mr. H. Meyer.

TRADE NOTES

Holiday Closing.—Warren, Stanley & Co., Ltd., wholesale chemists, 129 High Street, Edgware, will be closed from August 3, reopening August 9.

"Three dimensional" Showcard.—By an ingenious fold the showcard illustrated, which is for Spontex toilet



sponges, has been given a three-dimensional appearance. It is 11 in. wide and 9½ in. high. Copies may be obtained on request from the company: Sponcel, Ltd., Woldham Road, Bromley, Kent.

An Additional Size.—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have added to their list a 1,000-tablet container of Ferlucon tablets. The price of the 250-tablet container has been reduced.

"Vitaminised" Peppermints.—Bertrand Jackson & Partners, 20 Holland Park, London, W.11, draw attention to their Energie peppermints, "a high quality peppermint vitaminised for energy and good health."

Where the Shortage Lies.—Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19, state that there is no shortage of Distavit vitamin B₁₂ but there is at present an acute shortage of Distafeed vitamin B₁₂ animal feed supplement.

Production Transferred.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that the production of Intradox is being transferred on August 21 from Aycliffe, co. Durham, to the company's antibiotics plant at Barnard Castle, co. Durham.

Correction to Advertisement.—Rapido, Ltd., 27 Dover Street, London, W.1, state that the wholesale price of Inecto four-in-one quoted in their announcement in the C. & D., July 4, should have been 2s. 6d. plus purchase tax and not as stated.

At Royal Show.—At the recent Royal Show, at Blackpool, C. F. Gerhardt, Ltd., 5 Fenchurch Street, London, E.C.3, had a stand at which they showed Dethmor-warfarin. Apart from firms offering rodenticide service they were the only exhibitor of manufactured products in that class.

Holiday Bonus Offer.—On all orders for Ferrania Ortho roll films received from chemists between July 10 and August 31, Neville Brown & Co., Ltd., 77 Newman Street, London, W.1, are offering discounts of 30 per cent. plus

10 per cent. The offer does not apply to panchromatic films.

Bonus Offer.—Assorted orders for three doz. Nurona sun-tan (liquid) and Nurona sun-bronze cream qualify for a showcard and bonus of one free bottle or tube in each doz. Orders for bonus parcels should be placed direct with the manufacturers, James Woolley, Sons, & Co., Ltd., Victoria Bridge, Manchester, 3, though the goods may be invoiced through the usual wholesaler.

Change of Formula.—Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1, announce that from August 1, all orders for Placadol and Placadol-Sed. tablets are being executed with tablets of a revised formula in which the papaverine hydrochloride content is increased from 60 mgm. to 120 mgm. per tablet. The formula and price of the 2-c.c. ampoules are unaltered.

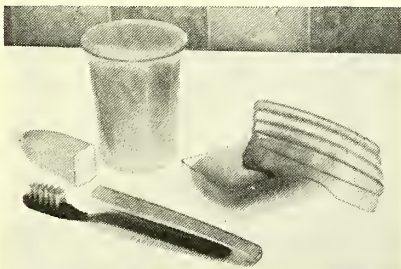
Discontinued.—Genatosan, Ltd., Loughborough, Leics, have discontinued manufacturing the following preparations, and stocks are no longer available:—Genosal nasal compound; benzyl benzoate application (4-oz. and 5-lb.); Calogen tablets (250 and 1,000); Fissan lotion (250-gm. and 2-lb.); calcium lactate tablets (100); cascara sagrada (all strengths) (25 and 100); Fissan dusting powder (250-gm. drum); and golden eye ointment. A new price list is available to any customer who may not have received one already.

Mobile Exhibition.—An articulated vehicle which, when stationary, can be extended to a length of 55 ft. has been equipped by the Metal Box Co., Ltd.,



The Langham, Portland Place, London, W.1, as a mobile exhibition. Its interior is divided into three sections. The picture shows the vehicle parked outside the company's headquarters during the Coronation period.

Bathroom Accessories.—The toothbrush holder, soap dish and beaker illustrated have been produced in pliable



polythene by Halex, Ltd., Highams Park, London, E.4. All are available in green, blue and orange. The toothbrush holder and soap dish are also available in a transparent gift pack.

Graduated Beaker.—J. F. Kenure, Ltd., Faggs Road, Feltham, Middlesex, are manufacturers of the non-breakable



graduated beaker illustrated. Made of polythene, the beaker is not affected by acids, alkalis, oils or spirits, and may be used for food products as well as for laboratory purposes.

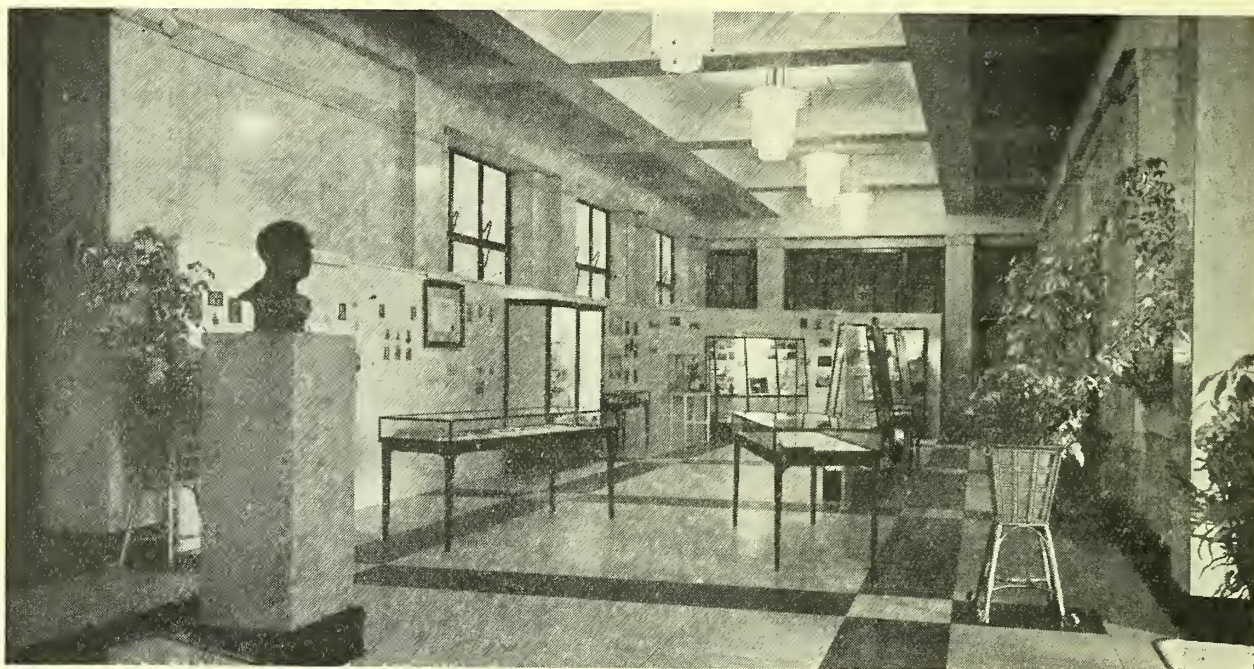
NEW PRODUCTS

Eye Lotion in Tube.—A special "eye-dropper" tube has been adopted by Allcock Products, Ltd., Knowsley Road, Liverpool, 20, for their Scan eye lotion. Scan is intended to be squeezed direct into the eye from the nozzle.

Soluble Fertiliser.—Page & Jones (Pharmaceuticals), Ltd., 10 Grape Lane, York, are marketing a new soluble fertiliser which is described as "a highly balanced plant food and most economical." The fertiliser is issued in three packs. Show material is available.

Antacid Suspension.—William R. Warner & Co., Ltd., Power Road, London, W.4, have made available in the form of a suspension their antacid-adsorbent product Gelusil. Gelusil presents aluminium hydroxide and magnesium trisilicate in optimum proportions. The preparation is issued in a 6-oz. bottle.

Insulin Zinc Suspensions.—Boots Pure Drug Co., Ltd., Station Street, Nottingham, are shortly making available supplies of Boots British-made insulin zinc suspensions (referred to in the British, Scandinavian and American medical Press as "lente" insulins). Three preparations will be available, giving different durations of effect: The approved names for the new varieties of insulin are:—Insulin zinc suspension corresponding to lente insulin; insulin zinc suspension (amorphous) corresponding to semi-lente; insulin zinc suspension (crystalline) corresponding to ultra-lente. Further information may be obtained from the company's wholesale and export department, Station Street, Nottingham.

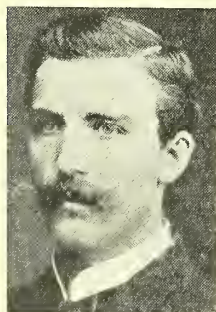


North wing of the Wellcome Centenary exhibition

WELLCOME CENTENARY EXHIBITION

Life, Work and Achievements of the Founder of a "Unique Institution."

THE Wellcome Historical Medical Museum has achieved a major success in organising, at the Wellcome Research Institution, 183 Euston Road, London, N.W.1, an exhibition to commemorate the centenary this year of



Henry Wellcome at the age of twenty-six

the birth of Sir Henry Wellcome, F.R.S., Hon. F.R.C.S. It is no less than to give substance and shape to one who has been, for all that his name is perpetuated in so many ways, somewhat elusive and legendary to most people even in pharmacy and

the pharmaceutical industry.

The exhibition covers the whole period of his life, and even more, since it includes photographs of his parents and family. There are relics of his early years in Wisconsin and Minnesota, records of his student years at Chicago and Philadelphia, and of his early business activities, especially with McKesson & Robbins, Inc. The rapid expansion of Burroughs Wellcome & Co., after Wellcome had come to London in 1880 to establish the business in partnership with his fellow American Silas M. Burroughs, and the establishment of associated houses overseas are made graphic with relics illustrating the detailed interest Wellcome took in the development of the company's activities. They show especially Wellcome's pioneer work in scientific re-

search carried out by pharmaceutical firms in their own laboratories, for it was in 1894 that Wellcome founded his Physiological Research Laboratories, which within a few years were contributing results that have found a permanent place in the history of science. Other displays include the first samples of chemical substances isolated or synthesised in the Wellcome Chemical Research Laboratories, founded 1896.

The peculiar farsightedness of Wellcome, amounting almost to genius, is well brought home in a model of the "floating laboratory" he had built for the study of tropical diseases in the Upper Nile valley, where many of them were, of course, only too obviously prevalent. His interests in the Sudan, where he established the Wellcome Tropical Research Laboratories, and in the Near East, were archaeological as well as medical. They are illustrated in photographs and exhibits relating to the Jebel Moya and Wellcome-Marston expeditions, both of which he financed.

Opening Ceremony

The exhibition was ceremonially opened on July 8 and remains open until September. An address which was to have been delivered by the United States Ambassador (the Hon. W. W. Aldrich, G.B.E.), was read, in his unavoidable absence, by DR. RALPH WYCKOFF, scientific attaché to the American Embassy in London. Introducing Dr. Wyckoff, MR. M. W. PERLIN (chairman of the Wellcome Foundation, Ltd.), said that the Ambassador had had to be present at international talks held that week in Washington. The same reasons prevented the Lord

President of the Council (Lord Salisbury) from being on the platform that afternoon.

The following is an abstract of the Ambassador's address:—

The life and achievements of Sir

Henry Wellcome are so astonishing in their variety, and in their influence on the lives of hundreds of millions of people, that it is almost impossible to believe that one man could have compressed so much adventure and gusto and solid accomplishment into one lifetime.



Sir Henry Wellcome in later life

This son of pioneer American stock, who as a boy on the plains of America fought Red Indians and who, in his old age, received the accolade of knighthood from his adopted country, was in the great tradition of the Renaissance Man. It is strange, considering how important is the work of the Wellcome Foundation, that Wellcome himself is so little known in his native country. Yet the compressed drugs which he pioneered so successfully have had almost incalculably beneficial effects everywhere and the medical research he so generously sponsored has such enormous implications that its results even now cannot be gauged accurately. In the past, search for fundamental knowledge has had the support of a few wealthy and interested individuals.

The CHEMIST AND DRUGGIST SUPPLEMENT

Head Office: 28 Essex Street, Strand, London, W.C.2.

Telephone: Central 6565.

Telegrams: Chemicus, Estrand, London.

CLASSIFIED ADVERTISEMENTS MUST BE PREPAID. For rates see sectional headings

ORRIDGE & COMPANY 184 STRAND, W.C.2 Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL

BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Basset, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel.: Belfast 27078

BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

CAMBRIDGESHIRE (small town), drug store occupying excellent trading position. Turnover £4,000 per year. The business should lend itself admirably to pharmacy conversion. The inclusive price, stock (approx. £1,000), fixtures, fittings, etc., £2,200. Assisted purchase to newly qualified, Box C 4047.

DUNDEE, ANGUS. For sale, owing to death of proprietor, good family and dispensing business with excellent scope for increase. Stock, fittings and goodwill at valuation figure, approximately £1,700. Property also for sale. Box C 5719.

APPOINTMENTS

18/- per half-inch (min.) and pro rata.
Box 2/-

ADMIRALTY PHARMACISTS

Applications are invited from Pharmacists for posts as Pharmacists in R.N. Hospitals and Medical Depots at Home and Abroad. Salary scale £450 x £25-£575. Starting pay according to previous professional experience, but candidates under 23 would enter at appropriate point below minimum quoted. Allowance of £25 a year payable in addition to holders of a recognised higher qualification, e.g., Ph.C. Foreign Service allowance payable overseas. Prospects of promotion to higher ranks. Superannuation benefits under National Health Service (Superannuation) Regulations 1950: deduction of 6 per cent. made from salary on that account. (Pharmacists due to be entered for compulsory National Service cannot be accepted as candidates). Apply to Medical Director-General of the Navy, Admiralty, Queen Anne's Mansions, London, S.W.1. C 5628

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS (478 Beds)

SENIOR PHARMACIST required at this busy hospital. Pleasant environment. Whitley salary plus London Weighting. Applications stating age, qualifications and names of two referees to the Hospital Secretary. C 5693

BOSTON COMBINED HOSPITALS (322 Beds)

PHARMACIST required. All types of Hospitals served. Nationally negotiated conditions and salary. Apply, stating age, qualifications, details of previous appointments held (if any) and names of two referees to the Hospital Secretary, Boston General Hospital, South End, Boston, Lincs. C 5718

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10

LOCUM TENENS PHARMACIST required for approx. six weeks from August 3, 1953. Salary up to £15 15s. per week according to experience. Apply immediately to Chief Pharmacist. C 5725

CONNAUGHT HOSPITAL, WALTHAMSTOW, E.17

Locum assistant in dispensing (Apothecaries' Hall Certificate), required September 14 to 26. Applications to Secretary, H.M.C. Forest Group, Langthorne Road, E.11. C 5663

CONNAUGHT HOSPITAL, WALTHAMSTOW, E.17

LOCUM CHIEF PHARMACIST required as soon as possible for 1 or 2 weeks. Salary 14 gns. per week. Apply with full particulars and copy testimonials to the Secretary, H.M.C. Forest Group, Langthorne Road, E.11. C 5672

CROYDON GENERAL HOSPITAL (CATEGORY IV) SENIOR PHARMACIST

Immediate vacancy. Salary £525 to £625 p.a. plus London Weighting Allowance up to £30 p.a. and higher qualification allowance. Applicants should have experience in Hospital Pharmacy and be acquainted with modern sterilisation technique. Apply, giving age, particulars of experience and other relevant information to the undersigned:—

GEORGE A. PAINES,

Secretary,

Croydon Group Hospital
Management Committee.

General Hospital,
London Road, Croydon. C 5703

CRUMPSALL HOSPITAL, MANCHESTER, 8

(Adult General, 1,225 Beds)

Vacancies exist for two Pharmacists and applications are invited for these posts. Salary and conditions of service as laid down by the Whitley Council.

Applications, stating age, nationality, details of experience, together with the names and addresses of two referees, are to be sent to the undersigned as soon as possible, Dept. "C.D."

A. T. SAMPSON,

Group Secretary. C 161

HACKNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, LONDON, E.9

PHARMACIST required for Hackney Hospital, Whitley Council salary and conditions. Applications to Secretary, Hackney Group Hospital Management Committee, London, E.9. C 156

CROYDON GENERAL HOSPITAL (CATEGORY IV)

LOCUM FOR DEPUTY CHIEF
PHARMACIST

Salary £15 weekly. Apply, giving age and full particulars of experience to the undersigned:—

GEORGE A. PAINES,

Secretary,

Croydon Group Hospital
Management Committee.

General Hospital,
London Road, Croydon. C 5704

HULL (A) GROUP HOSPITAL MANAGEMENT COMMITTEE HULL ROYAL INFIRMARY

Applications are invited for the post of SENIOR PHARMACIST.

Salary and conditions of service in accordance with the Pharmaceutical Whitley Council decisions £525 x £25-£625 per annum, plus a special allowance of £25 per annum for recognised higher qualifications. The post is also subject to the National Health Service Superannuation Regulations.

Applications to the Hospital Secretary. C 5631

KETTERING AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE, KETTERING GENERAL HOSPITAL, KETTERING (131 beds)

ASSISTANT in dispensing required in the Pharmacy of the above Hospital to commence on or after 13/7/53. Candidates must possess the certificate of the Society of Apothecaries of London or a similar qualification. Salary £165 at 18 years, rising to £385 at 30 years of age. Applications, stating age, qualifications and experience, accompanied by the names of two referees, should be sent to the Group Secretary at above address immediately. C 5669

KIDDERMINSTER GENERAL HOSPITAL

ASSISTANT IN DISPENSING required at above Hospital. Preference holder of Certificate of Apothecaries' Hall. Salary £130 at 16 rising to £415, with extra £15 p.a. for above certificate. Applications, with the names of two referees to Hospital Secretary. C 5706

PHARMACIST-STOREKEEPER required by the GOVERNMENT OF ZANZIBAR MEDICAL DEPARTMENT, for one tour of 2-3 years in the first instance. Salary, etc., according to experience in the scale £1,043 rising to £1,253 a year. Gratuity at rate of 13½ per cent. of total basic salary earned. Outfit allowance £30. Free passages. Liberal leave on full salary. Candidates must be members of the Pharmaceutical Society of Great Britain and should have experience of medical store-keeping. Write to the Crown Agents, 4 Millbank, London, S.W.1. State age, name in block letters, full qualifications and experience and quote M3A/33840/CD. C 5711

Appointments—Continued**HILL END HOSPITAL,
ST. ALBANS, HERTS**

CHIEF PHARMACIST (Locum Tenens), non-resident male or female, wanted for a period of about seven weeks from the beginning of August, 1953. Salary fourteen guineas per week. Apply stating full particulars of experience to Medical Superintendent, Hill End Hospital, St. Albans, Herts. C 5679

**MONMOUTHSHIRE COUNTY
COUNCIL****APPOINTMENT OF CHIEF PHARMACIST
AT HEALTH CENTRE**

Applications are invited from Registered Pharmacists for the post of Pharmacist-in-Charge at Park Place Health Centre, Tredegar. The salary will be in accordance with that for Chief Pharmacist (Grade III) on the Pharmaceutical Whitley Scale, i.e., £680 x £25 to £780 per annum.

Application forms and further particulars may be obtained from the undersigned, to whom applications must be returned by July 25, 1953.

VERNON LAWRENCE,

County Hall, Clerk of the Council.
Newport.
July 6, 1953. C 5714

**PRESTWICH HOSPITAL,
PRESTWICH**

SENIOR PHARMACIST required at Prestwich (Mental) Hospital. Applications should be sent to the Secretary, Prestwich Hospital, Prestwich, nr. Manchester, not later than Saturday, July 25, 1953. C 5724

**PRISON AND BORSTAL
SERVICE**

PHARMACISTS (MALE). Applications are invited for two appointments in the Prison and Borstal Service, at H.M. Prisons, Brixton and Pentonville, London.

Salary £575 x £25—£675. Starting point according to age, experience and qualifications. These posts carry £30 addition. Pensionable under the Health Service Superannuation Scheme.

Applicants who should be not less than 25 years of age, must be registered Pharmacists and hold the certificate of the Pharmaceutical Society of Great Britain as Chemist or Druggist or as Pharmaceutical Chemist.

Regulations and application forms from the Establishment Officer (E51/7/9), Prison Commission, Room 246, Horseferry House, Dean Ryle Street, London, S.W.1, to be returned by 1st August, 1953. C 5715

**ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS**

SENIOR PHARMACIST required at the above Hospital about November 1, 1953. Salary and conditions of service in accordance with Whitley Council Scale. Applications, stating age, qualifications and experience, together with the names of two referees, should be forwarded to the Chief Pharmacist, as above. C 5662

**ST. LUKE'S HOSPITAL,
BRADFORD**

PHARMACIST (female) required, General and Maternity Hospital (Category V). Up-to-date department. Opportunity for specialisation. Whitley Council salary and conditions. Apply Hospital Secretary. C 5683

**ST. MARK'S HOSPITAL,
CITY ROAD, LONDON, E.C.1
Category I**

Applications for the appointment of CHIEF PHARMACIST at the above hospital. Salary scale £575 x £25—£675 p.a. plus London Weighting. Other terms and conditions in accordance with Pharmaceutical Whitley Council. Age, qualifications, experience, names of two referees to Secretary, Board of Governors, Hammersmith, West London and St. Mark's Hospitals, Du Cane Road, London, W.12, by July 25, 1953. C 5698

**WEST MIDDLESEX HOSPITAL
(SOUTH WEST MIDDLESEX
HOSPITAL MANAGEMENT
COMMITTEE)**

LOCUM PHARMACIST required from July 1 to October 31, 1953. Salary £12 12s. per week.

Applications, stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5649

**THE ROYAL FREE HOSPITAL,
GRAY'S INN ROAD, W.C.1**

Applications are invited for the post of Pharmacist at the above hospital. Salary £450 (at age 23) x £25 p.a. to £575 p.a. London Weighting of £20 p.a. under age 26 and £30 p.a. age 26 and over. An additional £25 p.a. will be paid to candidates possessing B.Pharm., Ph.C., etc. Applications, stating age, experience and referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 5695

**THE ROYAL FREE HOSPITAL
GROUP**

Applications are invited for the post of Pharmacist at the North Western Branch and Hampstead General Hospital, Hampstead, N.W.3. Salary £450 (at age 23) x £25 p.a. to £575 p.a. plus London Weighting of £20 p.a. under age 26 and £30 p.a. age 26 and over. An additional £25 p.a. will be paid to candidates possessing B.Pharm., Ph.C., etc. Applications, stating age, experience and referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 5696

**WEST LONDON HOSPITAL
HAMMERSMITH ROAD, W.6**

Applications invited for the appointment of PHARMACIST (MALE OR FEMALE) required at the above general teaching hospital, where there is a busy pharmaceutical department and a wide variety of experience is offered.

Salary scale £450 — £575 per annum, plus London Weighting.

Other terms and conditions in accordance with Pharmaceutical Whitley Council. Age, qualifications, experience, names two referees to Secretary. C 5726

WEST MIDDLESEX HOSPITAL

Assistant in Dispensing required at West Middlesex Hospital for indefinite period. Salary at the rate of £320 per annum at age 22 or over, plus London Weighting. Hospital experience an advantage. Post-graduate Student considered. Salary in accordance with Whitley Council Agreement. Apply (in own handwriting) giving full details of training, experience, etc., to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5650

**WEST MIDDLESEX HOSPITAL
(SOUTH WEST MIDDLESEX
HOSPITAL MANAGEMENT
COMMITTEE)**

Pharmacist required at above Hospital. Salary scale £450 x £25 to £575 plus London Weighting. Higher qualification allowance £25 per annum. Whitley Conditions applicable. Applications stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5648

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word.
Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

APPLICATIONS are invited for the position of senior pharmacist to take charge of dispensing department of Allen & Hanburys, Ltd., 7 Vere St., W.1. This vacancy might appeal to pharmacists with hospital experience. Apply Manager. C 5717

ASSISTANT for dispensing and counter, permanent position, good wages, part-time considered. Apply A. Woolf, Chemist, 229 Golders Green Road, N.W.11. C 4023

BRISTOL CO-OPERATIVE CHEMISTS, LTD.

To fulfil planned developments, several suitably experienced pharmacists will be required later in the year, as branch managers. Living accommodation (entirely modern) at branch in some cases. Good terms and conditions, with full scope for individual interest and ability. Permanent, with superannuation. Inquiries to Superintendent Chemist, Registered Office, Castle Green, Bristol, 1. C 4033

CHEMIST/OPTICIAN required for established branch in Central Scotland. House available. Apply, giving full details of previous experience, age and if on C.P.C. List to Central Scotland Pharmacies, Ltd., 55 South Methven St., Perth. C 4055

CHESTERFIELD, near. Pharmacist required as manager. Competent staff. Pleasant situation with good salary and good living accommodation at nominal rental. No half-day or Sunday duties. Box C 4018.

CO. DURHAM. Pharmacist manager required for middle-class family type business. Private company. Good opportunity for active young man. Modern shop and dispensary, three competent assistants. Commencing salary £14 per week, holiday this year, free flat available shortly if required. Prospects of early advancement. Interview expenses paid. Apply with full particulars, Box C 4044.

DISPENSER-SECRETARY wanted September in Cotswolds country town practice. Two doctors. Box C 4036.

EAST LONDON. Unqualified assistant required, having some experience in dispensing, for modern, recently opened pharmacy. Good opportunity for suitable person. Apply to Mr. B. G. Sinclair, M.P.S., 50 Ben Jonson Road, Stepney, E.1. Telephone: Stepney Green 2043. C 4028

HAYES, MIDDLESEX. Excellent opportunity for ambitious pharmacist to take over management of busy branch. Good dispensing and photographic departments, well-fitted shop with adequate supporting staff. Generous salary and commission, pension scheme, etc. Apply to Box C 4057.

LADY ASSISTANT, with dispensing experience, required. Trade Union wages and conditions. Forty-four-hour week. Superannuation scheme in operation. Apply, in writing, giving full details of experience, etc., to General Manager, Co-operative Society, Ltd., 79 Union Street, Torquay, endorsed "Pharmacy." C 4035

LADY OR GENTLEMAN required as unqualified dispenser, able to assist at counter occasionally. Excellent working conditions in a pleasant pharmacy. Good salary. F. T. De-Peare, 14 Highbury Park, London, N.5. Phone: Canonbury 2666. C 4027

MAIDSTONE, KENT. Qualified assistant to take charge of dispensary. Vacancy occurs early August. Stonham & Son, Ltd., 70 Bank St., Maidstone. C 4021

MANSFIELD, NOTTS. Manager required for branch shop. Salary £12 per week and commission plus rent free flat. Ample scope for development. Box C 4029.

NORTH FINCHLEY. Pharmacy manager required for nicely fitted branch in pleasant area. Modern self-contained flat over business available with garage space. Middle-class family type business with opportunity for optics if required (optional). Good salary and commission. permanency, superannuation benefits. Apply to Box C 4058.

NOTTS. Congenial post for qualified branch manager. Staff of three others. Very good rent-free semi-detached house with garden in residential area. Salary £700 minimum. Apply with particulars to R. Sheldrake, Appletongate, Newark-on-Trent. C 4017

OXFORD and District Co-operative Chemists, Ltd., require a pharmacist (lady or gentleman) as branch manager. Pleasant, easily worked shop with adequate supporting staff. Permanency and superannuation benefits. Apply, Superintendent Chemist, 188 Cowley Road, Oxford. C 4060

PHARMACIST (male) required as assistant manager. Good prospects. Superannuation scheme. Hours 9 a.m. to 5.30 p.m. and 1 p.m. Saturdays. No Sunday or holiday duty. Apply in writing, stating age, experience and salary expected, to Staff Manager, Army & Navy Stores, Ltd., 12 Artillery Row, S.W.1. C 152

QUALIFIED LADY required mainly for dispensing duties in a pleasant, well managed, main road pharmacy near Finsbury Park. Good salary and working conditions. S. Phillips lles, 30 Highbury Park, London, N.5. Phone: Canonbury 1960. C 4026

QUALIFIED MANAGER, male or female. Small branch, near city, working class and commercial area, mainly dispensing. Easily run, adequate assistance. Good salary and commission. Full particulars to Craine, Ltd., 98 Dale Street, Liverpool, 2. C 4025

SOUTH COAST. Manager required for new pharmacy in main road. Free partnership offered to suitable applicant. This is not a catch, but a genuine offer. Write, in confidence, giving full particulars to Box C 4063.

UNQUALIFIED DISPENSER required, preferably young, for high-class pharmacy near London. Half-day Saturdays. Please send particulars of experience, etc., J. D. Millar, 90 Wickham Road, Beckenham, Kent. C 4020

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gressive Chemicals, Ltd., 1a Asmara Road,
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FOR SALE. 300 new tins gold lac. lever lids,
4½ in. x 4½ in. x 6 in., 6d. each. 2,500 new
tins gold lac. lever lids, 6 in. x 6 in. x 7 in.,
10½d. each. 800 outer cartons to hold 4 tins
6 in. x 6 in. x 7 in. 1/- each. Godfrey Birrell,
Ltd., 24 St. John's Road, Huddersfield.
C 4065

FOR SALE. One "Manesty" No. 2 tablet
machine, motorised, up to 1½ in. tablets. Fit-
ments for ring tablets, £275. Two "Mitchell"
dryers capacity 30 trays and 200 vitreous
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MODERN CHEMIST SHOP fittings, drug
ranges, wallcases and frameless sliding doors,
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thews & Son, Ltd., Complete Chemist Shop
Fitters and Shop Front Builders, 14-16 Man-
chester St., Liverpool. C 141

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SOUTHALL. Large lock-up shop to let on
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shop front installed comprising black tiled
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Austin Farr & Co., 11 South Road, Southall.
Tel.: Southall 1088-9. C 4031

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THE PROPRIETOR of British Patent Nos.
576832 and 600575, entitled "Surgical splints
and casts" and "Method of preparing and
treating plastic fabrications" respectively,
offer same for licence or otherwise to ensure
practical working in Great Britain. Inquiries
to Singer, Stern & Carlberg, 14 East Jack-
son Boulevard, Chicago 4, Illinois, U.S.A.
C 5670

TRADE MARKS

THE TRADE MARK NO. 648853 consisting
of the word "ELTOBAND" and registered in
respect of surgical dressings was assigned on
June 3, 1953, by Alexander Taylor, of 44
South Portland Street, Glasgow, C.2, to Esco
(Rubber), Ltd., of 2 Stothard Place, Bishops-
gate, London, E.C.2. *Without the goodwill of
the business in which it was then in use.*
C 5712

THE TRADE MARK NO. 544914 consisting
of the word "HALMAGON" and registered
in respect of salts prepared for use in medi-
cine and pharmacy for sale in the United
Kingdom of Great Britain and Northern Ire-
land and for export to and sale in the Irish
Free State, the Indian Empire and the Do-
minions, Colonies and Dependencies comprised
in the British Empire, was assigned on 18th
November, 1952, by H. K. S. Clark, the
Liquidator of Tonicity Laboratories, Limited,
of 16 Cedars Road, Clapham, London, S.W.,
to Sir Sidney Horatio Marshall, of 56 The
Crescent, Belmont, Surrey, *without the good-
will of the business in which it was then in
use.* C 5722

The C and D WEEKLY LIST OF PRICE CHANGES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.

THE CROOKES LABORATORIES, LTD.

(from July 13)		I.R.P.
Vitamin B ₁₂		
tablets 10µ gm.	50	4 6 R
	500	36 0 R
ampoules 20µ gm.	6	3 6 R
	50	28 0 R
50µ gm.	6	5 0 R
	50	40 0 R
100µ gm.	6	7 0 R
	50	56 0 R

CUXSON, GERRARD & CO., LTD.

Sanoid baby soap* Doz. 10½ R
6 0

IMPERIAL CHEMICAL (PHARMACEUTI- CALS), LTD. (from August 4)

Promix 7-lb. 23 6 R
The reduced trade prices are already in
operation.

WARD, BLENKINSOP & CO., LTD.

Placadol tablets	20	5 0 A
	100	22 6 A
Placadol-sed tablets	20	5 6 A
	100	24 0 A

NEW PRODUCTS AND PACKS

WILLIAM R. WARNER & CO., LTD.
Gelusil* 6-oz. 36 0 4 9
Also available in 6-oz. tax-free dispensing
pack.

CUXSON, GERRARD & CO., LTD.

Doz.				
Plastic sheeting 18 x 24 in.	15 0	1 9	Scan	tube 1 2½

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for June was 195

Cost		Item	Poison Class	4 oz.		1 oz.		1 dr.	
d.	per			s.	d.	s.	d.	s.	d.
37	lb.	Cremor zinci, B.P. '53		per		lb.		4	8
				1 4		0 5			
252	lb.	Iodum		—		2 8		0	5
226	lb.	Potassii iodidum		—		2 1		0	4
29	oz.	Sodii iodidum		—		4 3		0	7½
33	lb.	Ung. acidi borici, B.P. '53		per		lb.		4	1
				1 3		0 4			
49	lb.	Ung. hyd. ammoniati	P.1. (9)	1 9		0 6		0	1
60	lb.	Ung. zinci c. ol. ricini, B.P. '53		2 2		0 7		0	1
		Tablets				25		100	
						s. d.		s. d.	
63	1000	Calomel gr. ½				0 10		1	9
66	1000	Calomel gr. ¼				0 11		1	10
78	1000	Calomel gr. ⅛				0 11		2	0
120	1000	Calomel gr. 1				1 1		2	8
204	1000	Calomel gr. 2				1 4		3	9
198	100	Santonin gr. 1				7 6			
114	100	Santonin co., B.P.C.				4 6			

Appointments—Continued**HILL END HOSPITAL,
ST. ALBANS, HERTS**

CHIEF PHARMACIST (Locum Teneas), non-resident, male or female, wanted for a period of about seven weeks from the beginning of August, 1953. Salary fourteen guineas per week. Apply stating full particulars of experience to Medical Superintendent, Hill End Hospital, St. Albans, Herts. C 5679

**MONMOUTHSHIRE COUNTY
COUNCIL****APPOINTMENT OF CHIEF PHARMACIST
AT HEALTH CENTRE**

Applications are invited from Registered Pharmacists for the post of Pharmacist-in-Charge at Park Place Health Centre, Tredegar. The salary will be in accordance with that for Chief Pharmacist (Grade III) on the Pharmaceutical Whitley Scale, i.e., £680 x £25 to £780 per annum.

Application forms and further particulars may be obtained from the undersigned, to whom applications must be returned by July 25, 1953.

VERNON LAWRENCE,
Clerk of the Council.

County Hall,
Newport,
July 6, 1953. C 5714

**PRESTWICH HOSPITAL,
PRESTWICH**

SENIOR PHARMACIST required at Prestwich (Mental) Hospital. Applications should be sent to the Secretary, Prestwich Hospital, Prestwich, nr. Manchester, not later than Saturday, July 25, 1953. C 5724

**PRISON AND BORSTAL
SERVICE**

PHARMACISTS (MALE). Applications are invited for two appointments in the Prison and Borstal Service, at H.M. Prisons, Brixton and Pentonville, London.

Salary £575 x £25—£675. Starting point according to age, experience and qualifications. These posts carry £30 addition. Pensionable under the Health Service Superannuation Scheme.

Applicants who should be not less than 25 years of age, must be registered Pharmacists and hold the certificate of the Pharmaceutical Society of Great Britain as Chemist or Druggist or as Pharmaceutical Chemist.

Regulations and application forms from the Establishment Officer (E51/7/9), Prison Commission, Room 246, Horseferry House, Dean Ryle Street, London, S.W.1, to be returned by 1st August, 1953. C 5715

**ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS**

SENIOR PHARMACIST required at the above Hospital about November 1, 1953. Salary and conditions of service in accordance with Whitley Council Scale. Applications, stating age, qualifications and experience, together with the names of two referees, should be forwarded to the Chief Pharmacist, as above. C 5662

**ST. LUKE'S HOSPITAL,
BRADFORD**

PHARMACIST (female) required. General and Maternity Hospital (Category V). Up-to-date department. Opportunity for specialisation. Whitley Council salary and conditions. Apply Hospital Secretary. C 5683

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Category I**

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CHIEF PHARMACIST

at the above hospital. Salary scale £575 x £25—£675 p.a. plus London Weighting. Other terms and conditions in accordance with Pharmaceutical Whitley Council. Age, qualifications, experience, names of two referees to Secretary, Board of Governors, Hammersmith, West London and St. Mark's Hospitals, Du Cane Road, London, W.12, by July 25, 1953. C 5698

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(SOUTH WEST MIDDLESEX
HOSPITAL MANAGEMENT
COMMITTEE)**

LOCUM PHARMACIST required from July 1 to October 31, 1953. Salary £12 12s. per week.

Applications, stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5649

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GRAY'S INN ROAD, W.C.1**

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QUALIFIED LADY required mainly for dispensing duties in a pleasant, well managed, main road pharmacy near Finsbury Park. Good salary and working conditions. S. Phillips Iles, 30 Highbury Park, London, N.5. Phone: Canonbury 1960. C 4026

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UNQUALIFIED DISPENSER required, preferably young, for high-class pharmacy near London. Half-day Saturdays. Please send particulars of experience, etc. J. D. Millar, 90 Wickham Road, Beckenham, Kent. C 4020

BICARBONATE OF SODA B.P.

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at very competitive prices

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Wellback Wrks. 93 Cobbold Rd. London N.W.10.

Telephone: WILLESSEN 6873

Situations Open—Continued

SOUTH STAFFORDSHIRE. Qualified manager required. Private company. Good opportunity for active man. Excellent self-contained flat. Good salary and profit sharing arrangement. State age, experience, whether married, etc., to: A. S. Price & Co., Ltd., 181/2 High Street, Blackheath, Birmingham. C3988

UNQUALIFIED lady or gentleman required as senior assistant in busy country town business. Must be well experienced in dispensing and shop work and under forty years old. Very generous salary offered and house available if needed. Youngs, Chemists, Nantwich, Cheshire. C4061

UNQUALIFIED ASSISTANT, either sex, required for busy middle-class pharmacy. Fully experienced counter and dispensing. Apply with details of age, experience, salary required, to W. J. Boyes, Ltd., 61 Balham Hill, S.W.12, or telephone Tulse Hill 1738 for appointment. C4066

YOUNG QUALIFIED wanted immediately to assist or take charge dispensing dept. Permanency. Modern main road pharmacy. Pleasant environment. Adequate staff support. Pleasant accommodation available if necessary. J. S. Jenkin, Ltd., 352 High Road, Wood Green, London N.22. Bowes Park 1729. C4051

LOCUMS WANTED

LOCUM PHARMACISTS required for London and Suburban areas, long or short periods, July-October. Permanency at conclusion of tour if required. Salary and expenses basis. Apply to H. Warburton, M.P.S., Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C3994

QUALIFIED LOCUM. Lady or gentleman required as locum from August 24 to September 11 inclusive. Would suit Australian or any pharmacist wishing to see English countryside. Please state terms to G. Turner (Biggleswade), Ltd., 63 High St., Biggleswade, Bedfordshire. Phone 2132. C4015

WHOLESALE

BENGER LABORATORIES, LTD., invite applications for the position of advertising manager at their head office in Cheshire. Applicants must have a good knowledge of all aspects of modern publicity and recent practical experience of both consumer and technical advertising. The present advertising staff is small and will remain so. The advertising manager working in, the main through the agency and outside organisations. The position is permanent, progressive and pensionable (contributory scheme). All applications, which will be treated in confidence, should give fullest particulars of experience to date, age, etc., and be addressed to Marketing Controller, Benger Laboratories, Ltd., Holmes Chapel, Cheshire. C5716

BIRMINGHAM AREA. Applications are invited by well-known London house for medical representative on this territory. Previous experience while desirable is not essential, but applicants should reside on and know the territory well, have a good pharmaceutical or medical background and preferably be car owner. Full details in confidence to Box C5729.

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LEADING RUBBER manufacturing company require experienced representative of good personality and above-average sales ability, having established connections with chemists, hardware dealers, ironmongers and large stores, for the East Lancashire area. Applicants must be car owners. Remuneration by salary, commission, and expenses. All replies will be treated in strict confidence. Please apply, in writing, to the General Sales Manager, William Freeman & Co., Ltd., Suba-Seal Works, Peel St., Barnsley, Yorkshire. C5710

LEEDS AREA. Representative required by London firm, must have good knowledge of surgical instruments and hospital equipment. Previous experience essential and connections an advantage. Good salary and bonus, with car if required, for suitable applicant. Apply JGE Dept, Box C5658.

MANUFACTURERS of nationally advertised rubber moulded products require experienced representative for Scotland and border counties to take over valuable wholesale chemist accounts, etc., and for interesting development work. Applicants to be resident on territory. Salary, commission and expenses. Details to Box C4054.

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MEDICAL REPRESENTATIVES required by old-established London House to visit doctors, hospitals and chemists for Yorkshire, Northumberland, Durham and for Greater London. Applicants should be of good appearance and address, have had experience of good class pharmacy, and be possessed of a comprehensive knowledge of medical nomenclature and of pharmacology. Applications invited from men between the ages of 25 and 35. Please give details of experience, age, salary required, and when services available. Box C158.

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AGENTS

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SALES REPRESENTATIVE required for South Wales. Applicants should have personal knowledge of the territory and be pharmacologically qualified. Salary £650 to £700 according to experience. Letters of application should give full details in first instance. Reference HAC, The British Drug Houses, Ltd., Graham St., London, N.1. C5705

TABLET MANAGER

Pharmacist with good experience required as head of Tablet Manufacturing Department. Pension scheme, 5-day week. Full details with application to Director of Laboratories, 34 Hanover Street, Liverpool, 1. C5691

TEMPORARY POSTS will shortly be available for Growers' Representatives at sugar beet factories during the forthcoming season, normally from about mid-September until about mid-January. Applicants should possess qualifications in chemistry and particularly in sugar analysis. Basic salary £10 10s. per week. Increased scales offered to persons re-engaged for successive seasons. Applications should be submitted to the General Secretary, National Farmers' Union, 45 Bedford Square, London, W.C.1. C5709

WANTED. London representative with good knowledge of films, if possible colour films, with connections in London and also with a connection with chemists. Apply Box C5730.

WORKS CHEMIST, B.Sc. standard of education, required for control of chemical plant and processes. Applicants should have thorough grounding in organic chemistry. Applications will be considered from students completing their course this summer. Salary according to qualifications and experience. Contributory pension scheme. Five-day week. Apply initially in writing to Personnel Officer, May & Baker, Ltd., Dagenham, Essex. C5678

YOUNG qualified male chemist required to take charge of production control and experimental laboratory situated on South Coast. Previous experience in cosmetic or pharmaceutical industry an advantage. Please send full personal details including previous experience and salary required to Chief Chemist Box C5708.

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A KEEN YOUNG representative with retail and wholesale experience desires post with a reputable firm. Area London and adjacent counties. Car owner. Box C4032.

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DRUG REPRESENTATIVE, fully experienced with excellent connection in South London, requires situation with good-class manufacturer. Salary, commission and expenses. Box C4038.

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EXPERIENCED REPRESENTATIVE seeks situation covering S.W. counties. Sound pharmaceutical background. Car owner. Box C4024.

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REPRESENTATIVE (40) desirous of change seeks post with company of repute, Yorkshire area, car owner, phone. Box C4030.

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REPRESENTATIVE with sound pharmaceutical connection in South Wales, requires post with reputable house. Full or part time. Box C4042.

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TECHNICAL PROBLEMS. Pharmacists with wide experience of manufacturing and other technical problems, offer their services as consultants. Strictest confidence assured. Box C3989.

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HUGHES BRUSHES, LTD., 240-242 Bath Road, Slough wish to appoint an agent to cover the North of England and Scotland for them. Applicants should have a well-established connection with the wholesale trade in the territory, and must be able to sell on quality and not only on price. Letters should be sent in full confidence c/o Sales Manager at above address. C4069

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Keen—Aggressive. To be Assistant Manager in Retail Pharmacy. Reference and photograph required. Salary £1,160 per annum. With good chance for advancement and increased salary when accepted by the Ontario College of Pharmacy which takes approximately six (6) months. Apply to: Mr. S. Y. Marr, Standard Drug Ltd., London, Ontario, Canada C4041

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ALL KINDS OF BOTTLES, JARS, CAPS, cartons, packaging materials and manufacturers' stocks of all kinds, bought at fair prices for spot cash. Send full particulars to Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C153

GLYCERINE pale straw and B.P., 2 tons required. Offers to Box C5667.

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NICKEL OXIDE, grey green, 75/78% Ni, free from iron. Off-colour zinc oxide: Trichlorethylene fully stabilised water clear and representing metal de-greasing quality. Box C5674.

WANTED: Surplus or redundant merchandise, clearance goods of any description or discontinued lines. Cash immediately, no delay. Our representative will be pleased to call or, alternatively, please send samples with particulars, quantity and price. Lawrence Edwards & Co., Ltd., 6-7 Wellington Close, Ledbury Rd., London, W.11. Telephone: Bayswater 4020. C140

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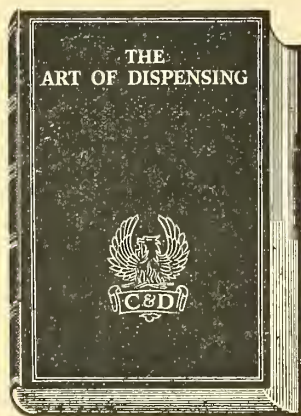
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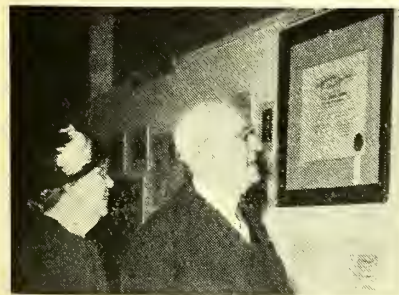
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66/24

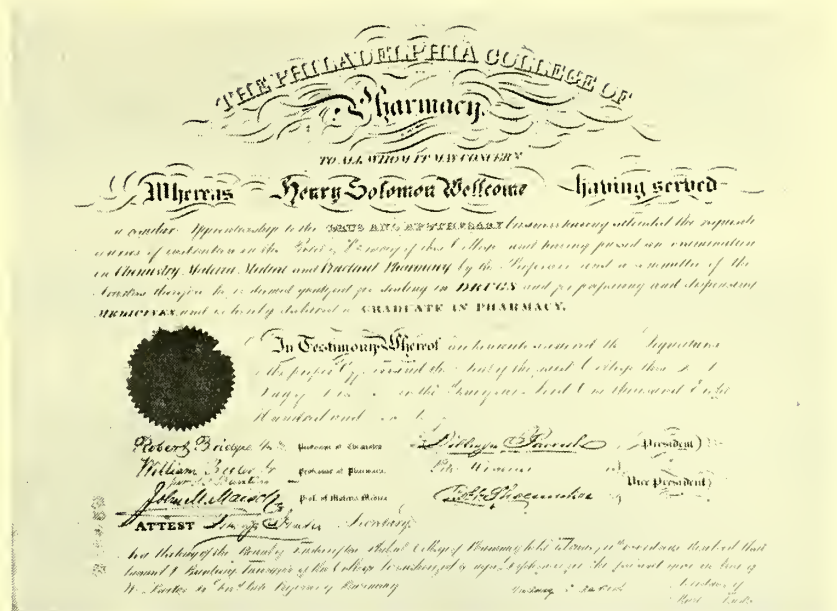
That is no longer sufficient, partly because such reserves of private wealth are diminishing and partly because of the rapidly mounting cost of investigating nature. It is usually concluded that the requisite support must, therefore, come increasingly from government. But little experience demonstrates that such help constitutes a far from ideal solution to the problem. Sir Henry Wellcome's creation of this Foundation is an intriguingly original alternative. Few industrialists in the modern world would be willing to follow Henry Wellcome in his dedication of an entire business, and of all its profits, to the advancement of knowledge, but we must hope that more and more will come to realise the necessity of setting aside a certain proportion of profit with that object in view.

SIR HENRY DALE (chairman of the Wellcome Trust) said his personal memory of Sir Henry Wellcome went back nearly half a century to the day when he accepted a position on the staff as a pharmacologist—a position he felt himself singularly incapable of filling at that time. He thought it was his impudence and courage in asking for the job (he had then not studied or read a book on pharmacology) that made Henry Wellcome "think there might be something in me and that he had better appoint me."

On the functions and achievements of the Wellcome Trust Sir Henry Dale said that it was "only just emerging into normal weather," because, during the first twelve years of its existence, conditions had been largely abnormal. To begin with there was the need to value the property of the Trustees—the whole property of the Wellcome Foundation represented by its share capital—to arrive at an agreed valuation with the Inland Revenue authorities, and then, for a period of years, to consume all accrued assets in paying off the estate duty, for which no proper provision had been made. Before that was finished the [1939-45] war had broken out and the Foundation had new and abnormal demands on all the capital it could devote to the production of new facilities and plant. After the war-time convulsions came the readjustments involved in the return to a peace-time basis. So, although the Trust had been in existence less than seventeen years it had really something less than five years of normal activity. During that time it had wound up the large archaeological en-



Lady and Sir Henry Dale (chairman, Wellcome Trust) examine the certificate of graduation presented to Henry Wellcome by the Philadelphia College of Pharmacy.



Certificate of graduation gained by Henry Wellcome from the Philadelphia College of Pharmacy.

terprises in the Sudan and Palestine, which Wellcome had undertaken and in which, "quite frankly, he had sunk a great deal of money which the business would have liked to use for other purposes." It had founded two Chairs in the University of London, one for tropical medicine in the London School of Hygiene and Tropical Medicine, and one for pharmacology in the



Mr. M. W. Perrin (chairman, Wellcome Foundation, Ltd.) with Dr. R. Wyckoff (scientific attaché to the American Embassy) at the opening.

School of Pharmacy, and had established research Fellowships in pharmacy, in conjunction with the Pharmaceutical Society, and in Veterinary Medical Science with the Animal Health Trust. The Trust had acquired and enlarged to three times its size a small laboratory for medical research in Thessalonica, and then, when the Germans invaded Greece, and it had become impossible to remain there and civil war conditions in Greece made return impossible, it continued to support the small distinguished exiled staff from that laboratory, who were now doing fine work in Kenya on tropical anemia. Grants-in-aid had been made to medical laboratories in New Zealand and Australia, and £100,000 had been subscribed for the new Wellcome Pathological Museum at the Royal College of Surgeons.

The sum of £125,000 had been given for the work carried out at the library of the Royal Society of Medicine, and a publication grant of £2,000 a year for five years had been made to the Royal Society towards the expenses of publication in medicine and the allied sciences. Capital had been set aside to make a complete catalogue of Wellcome's large historical medical library up to the year 1850 and to make the remarkable wealth of the collection available to scholars anywhere in the world.

In conclusion, Sir Henry Dale said "We do not feel we have yet seen the size of our task, or reached or grasped the full range of opportunity, but we have spent something over half a million pounds in carrying out Wellcome's instructions and we have begun, I hope, to realise something of the great ideals of that remarkable man, whose life and manifold activities this Centenary exhibition commemorates."

N.H.S. STATISTICS

In **HEREFORDSHIRE**, in July 1952, 25,634 prescriptions costing £3,736 for ingredients and £1,356 for dispensing fees were issued.

In **GLAMORGAN**, January-August 1952, 3,163,874 prescriptions costing £656,548 were dispensed (3,384,693 costing £607,789 in 1951).

In **LIVERPOOL** in 1952-53 the pharmaceutical service cost £1,036,898, a drop of £85,102 compared with the previous year.

In **WALES**, January-August 1952, 10,434,414 prescriptions costing £2,226,032 were dispensed (11,161,445 costing £2,094,112 in 1951).

In **CAERNARVONSHIRE** for the year ended March 31, the number of prescriptions dispensed was 904,469 (an average of 7.52 per person). Of medicines sampled by the committee one-fifth were found to be defective. Cautions and fines of up to £5 5s. had been imposed.

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Faith—or Hope?—Cure

It is doubtful whether the pharmacist purveyor of a so-called herbal remedy referred to in the Birmingham city analyst's report (see p. 50) realised the ironic truth of some of the claims for his product. Mr. Bagnall made play with the product, remarking "I agreed that it was free from science, was not convinced that it was free from theories, but in any event it appeared to be quite free from lily of the valley." That the proprietor's "sun-potentised" method of extracting medicinal virtue from convallaria flowers resulted in a product indistinguishable from pure water probably occasioned him as much surprise as it must have astonished the analyst that any remedy offered for sale should have a total solid matter of only 250 parts per million and no trace of the activity of its supposed principal ingredient. The Pharmaceutical Society's ethical committee, at all events, has expressed itself as satisfied that the chemist was acting in good faith. From the description of the process it would appear, however, as if all the man's pharmaceutical training went for little when it came to the scientific extraction of an active constituent from a plant part, and the committee have quite understandably and rightly requested him to discontinue making any claim to membership of the Society in connection with his faith-healing activities. We take it that the Society is not necessarily from its action condemning in all circumstances the sale of herbal remedies by pharmacists. To do so would be an unwarranted interference with the liberty of the subject and would be an attempt to impose a universal orthodoxy which it would be outside the Society's functions to do. What the Society is doing, in effect, is to serve notice to any other such practitioners there may be among its members that if they make claims they must be prepared to reconcile them with a science at least up to the standard of what was required of them in the Qualifying examination.

Extension of Shop Tenancies

ON May 6 Parliament passed a new Act extending the Leasehold Property Act of 1951 until December 24, 1953. It may be of advantage to consider the effect of that extension so far as tenancies of shops are concerned. Under the Act of 1951, where the tenancy ended within the two year period, June 24, 1951, to June 24, 1953, the tenant was entitled to apply to the Court for an extension of his tenancy. If the tenancy expired

automatically by effluxion of time, the application to the Court had to be made at least one month before the tenancy was due to expire. On the other hand where the tenancy was determined by notice to quit, the application had to be made at least one month after the service of the notice to quit. If the Court granted an extension and the extended tenancy expired within the two year period, i.e., on or before June 24, 1953, the tenant was entitled to make a further application, and that application had to be made at least one month before the date of the expiry of the extended tenancy. Although the 1951 Act was to be in operation for two years ending on June 24, 1953, it was possible for the Court on application to grant an extension, in no case for more than one year, which however might expire after June 24, 1953. It is expected that there will be a flood of applications for extensions under the new Act of 1953. What tenants should bear in mind however is that the principal step for them to take is to make their application to the Court for an extension within the time prescribed by the Act, as indicated above. Failure to do so will result in the complete loss of the rights conferred by the Act. There have been some cases in which, either by agreement between the parties, or by making it a term of the order of the Court, the tenant has released any future rights to an extension that might be conferred by a subsequent Act, such as the new Extension Act of 1953, for example. In those cases, the tenant no doubt is wondering whether he can still claim an extension under the new Act. The answer unfortunately for him is "No." These Acts do not prohibit contracting out of their provisions, as some acts, such as the Rent Acts and the Landlord and Tenant Act, 1927, do, and so the tenant who has surrendered his further rights to an extension will be held to his bargain, and the Court cannot under the new legislation give him any assistance whatever.

Poisons List Changes

THE Home Secretary is taking action on recommendations recently made to him by the Poisons Board, and is preparing Statutory Instruments to give effect to them. In the meantime information has been supplied of what the changes will be.

Sodium nitrite is to be added to Part II of the Poisons List (essentially products that may be supplied by "listed" sellers) but it will be made subject to the requirements of the Pharmacy and Poisons Act and Poisons Rules only when in the form of preparations for the destruction of rats or mice.

The heading under which antihistamine substances are included is to be widened to take in "their molecular compounds" and Ambodryl (under the new approved name "bromesine," see p. 69) is added to the antihistamine substances listed. There are to be several new Part I, S. 1, Sch. 4, R only poisons; Chlorpromazine, phenylbutazone, the dithienylallylamine compounds (inclusion under Sch. 4 will cease if they become controlled under the Dangerous Drugs legislation), mustard, triethylene melamine and myleran (under names to be approved by the British Pharmacopœia commission), and n-allylnormorphine, 3 methoxy-N-methylmorphinan and morpholinylethylmorphine (but substances containing less than 1.5 per cent. morpholinylethylmorphine will be exempt).

Onward from Galen

A CURRENT CAUSERIE

THE dissatisfaction of dentists with their chief customer has been voiced again through their organisation, the British Dental Association, as a result of discussions held at the Association's conference at Buxton recently. Discontent, says the Association's public relation officer, has reached a dangerous level. There has been a "tremendous" decline in incomes since 1950-51, and in many parts of the country suggestions are being made that the profession should withdraw from service under the National Health Service Act. Whereas in 1951 the average gross payment to dentists was £4,000 a year, it was now, after two cuts in the scale of fees and the imposition of charges to patients, £2,700. Costs took 60 per cent. of gross earnings and the net income of the average dentist was therefore only slightly more than £1,000.



A REVOLUTIONARY machine for use in surgery—an apparatus designed to take over the work of the heart and lung—has been made by D. G. Melrose at the Post-graduate Medical School, London (*British Medical Journal*, 1953, 2, 57-66). Patent applications for the machine have been filed and assigned to the National Research Development Corporation. The machine consists essentially of two parts, one an oxygenator to serve the purpose of the lungs, and the other two valveless rotary pumps driven by electric motors to supply the oxygenator with blood and to deliver the oxygenated blood to the subject, thereby fulfilling the different rôles of the separate sides of the heart. Electronic apparatus controls the performance of the machine in response to signals that it receives from manometers that measure respectively the volume of blood in the oxygenator and the pressures in the venous and arterial parts of the artificial circuit. In trials with the machine using thirty anaesthetised dogs no dog died as a direct result of the perfusion. Two or three days later the surviving dogs were normally active and apparently had suffered no ill effects. Cleaning and sterilisation of the oxygenator, an ingeniously made revolving plastic cylinder, has been done so far by detergents and antiseptics, but a model made of a plastic that can be sterilised by autoclaving is planned. Likely applications of such an apparatus if it is possible to be used on human subjects (and Professor Aird in a foreword to Melrose's paper suggests that the use of the oxygenator to replace the heart during cardiac surgery may not be immediately attainable) include any form of acute, potentially reversible anoxia which does not respond to the usual forms of treatment—for example, acute cor pulmonale, severe congestive cardiac failure, or acute circulatory failure that may follow cardiac infarction.

CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

AN EARLY COPY

SIR,—I was interested to read the article on the history of Haslar Naval Hospital (*C. & D.*, June 6, p. 586). I have a copy of a London Pharmacopœia of 1836 which must have been used at that hospital. The outside of the front cover bears embossed in gold the Admiralty crest and the words "Haslar Hospital" and "Dispenser." It would be interesting to know if there are any earlier pharmacopœias in existence bearing that inscription.

MANSFIELD, NOTTS.

C. H. PRESTON ROBINSON

CODE NUMBERS THAT CONFUSE

SIR,—Recently I had to make a sale of Saridone tablets (Roche). On the left-hand bottom side of the label is the letter S with inferior 2 (S₂) which I wrongly took to refer to a poisons schedule. Without wishing to cause manufacturers inconvenience, would it not be an advantage to the dis-

penser if they refrained from using the letter S with numerals in their coding systems?

COUPAR ANGUS

A. C. HOSSACK

"NO EXCHANGE" OF OLD PACK

SIR,—It is doubtful whether the majority of chemists are fully aware of the policy of a well-known tooth-paste manufacturer regarding those chemists who are holding stocks of an old pack. At the moment the company is launching full-scale advertising for a new pack (new flavour, old name!). On approaching the company for exchange of, or credit for, old pack, the chemist is informed that the company's policy is definitely "no exchange" and an offer of only 50 per cent. credit, which in my opinion is disgraceful. In view of the changes that have occurred in this market recently (changes that have been handled quite differently and intelligently), the policy of this company, if accepted by the majority of chemists, will create a dangerous precedent.

SOUTHEND-ON-SEA

A. M. GRANT

PRICES AND PROFIT

SIR,—Your readers will probably identify my company as "the first on the C.F. list" to which Mr. Brean refers in his letter (*C. & D.*, July 11, p. 40). He criticises our recent circular on several grounds:—

(1) "Your customers will appreciate our packing."

Indeed they do, even if he "couldn't care less."

We are of the opinion, supported by most of our chemist friends at home and overseas, that good packing is essential to hygiene, display and sales.

(2) "Your profit as you see is very attractive."

It is. In addition to the trade discount, we now give on a parcel as low in cost as 17s. (and few chemists buy less) a further 12½ per cent. On this basis for the particular pack he mentions the new price gives a profit of 6s. 4½d. per doz. against the former 4s. 6d.—an increased profit of 1s. 10½d. per doz. The profits on sales, on display terms, for the three sizes, are now 45 per cent., 35 per cent. and 36 per cent. respectively. Is not this surely an advantage to the chemist?

(3) "Exorbitant price increase."

For us, the increase on the pack referred to amounts to 13·7 per cent. only. Considering that our prices have remained unchanged since 1939, does Mr. Brean really think that they are exorbitant?

(4) "Money stays at home."

Why not? On account of high tariffs and other restrictions we cannot export to certain countries, yet they are able to sell similar pharmaceutical preparations here. "Buy British" is still common sense!

S. BROOK, D.I.C., *Managing Director*,
WESTMINSTER LABORATORIES, LTD.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Londonderry on June 18, the president (Mr. W. H. Boyd) in the chair. Also present were Messrs. S. E. Campbell, H. W. Gamble, J. Irwin, H. F. Moore, J. McGregor and C. A. Quinn. Apologies for absence were received from Messrs. H. J. Cousley, H. H. Cowzer, H. P. Crossin (treasurer), W. P. Ewart, F. R. Moore, P. R. W. Shinner, Walter C. Tate and Professor E. B. C. Mayrs.

The PRESIDENT congratulated Mr. Gamble on his award of the O.B.E. (see *C. & D.*, June 6, p. 557). He said it was a well merited honour and pharmacists in Northern Ireland were proud that his name had been included in the Coronation Honours list.

Permission was given to the Associates' Section of the Ulster Chemists' Association to use the Society's premises for a beetle drive on September 3. During the afternoon the Council entertained the members of the Londonderry and Strabane Chemists' Association when the combined party visited Greencastle, co. Donegal (see *C. & D.*, June 27, p. 677).

A SUBSTANTIAL SAVING OF TAX

An amendment aimed at preventing companies from saving income tax by winding-up and transferring their assets to a new company was defeated in the House of Commons on July 8. A chartered accountant explains the present provisions.

IT may have been noted that a number of companies have operated a variety of schemes of reorganisation and reconstruction, having the common feature that there is a cessation of the manufacturing and trading activities of at least one company and the taking over of those activities by another company, newly formed or already existing. Such schemes, described in some instances as unifying administration or as being a result of internal reorganisation, have in view, whilst achieving these objects, a substantial saving in their tax liabilities. The directors of one company have stated that the group, by its reorganisation, will save as a whole something more than £100,000, whilst another puts the reduction in its income tax commitment at £50,000. What is taking place, therefore, is a movement of some importance.

How is it that such saving can arise? Is there a loophole in the complicated structure of income-tax law through which businesses are successfully managing so large a degree of escape? In examining any of these schemes, the salient point to which attention must be emphatically drawn, one that is embodied in all the paraphernalia of reorganisation and reconstruction, is that one company absorbs the business of another but the true owners remain unchanged. The company absorbed may be liquidated or, avoiding liquidation, become a holding company only, that is, exchange assets for shares and hold those shares on which dividends will be received. To preserve the value attaching to a particular name, changes of name—in effect, transfers of name—may take place; further, an agency company may be formed. However involved the transactions may appear, there is always present a cessation of an activity and a commencement of that same activity by another body.

Basis of Assessment

Once a business is under way, the normal method of assessment is applicable on the profits, adjusted in accordance with income-tax regulations, of the financial year ending in the year previous to the tax year of assessment. Thus the profits of a business whose year ends on June 30, 1952, are arbitrarily taken as the equivalent of the earnings of the business in the tax year 1953-54. But in the opening and closing years of a business there are other provisions for assessment. Briefly, they are as follows:—

COMMENCING YEARS: The period from the date of commencement of the business to the ensuing April 5 is assessable on the actual adjusted profits of that period. There is, after all, no previous year to assess. The first full year is the subject of the assessment of the tax year following. Unless the business was commenced on April 6, the first full year is also assessed in the third tax year. The taxpayer has the right to claim that the first and second full tax years shall be charged on actual profits of those years.

CESSATION OF BUSINESS: The period from April 6 prior to the date of cessation is also assessed "on actual." The Inland Revenue department can adjust the previous year's assessment to the actual adjusted profits of the last full tax year. They will arrive at those profits by splitting the results of the financial years concerned, if need be, and will make the adjustment of course (by raising an additional assessment) only if it is to their benefit. That is to say, the penultimate assessment will not be reduced. In summing-up the above provisions, it can be said that the first year normally forms the basis of more than one year's income-tax and, correspondingly, a financial year towards

the close "escapes" tax, or more correctly, is not the basis of an assessment. The crux of the matter is there. A marked trade recession, affecting the reorganised companies, has occurred, and the penultimate, full financial year is considerably poorer in results than the previous year; so the Inland Revenue will not raise any additional assessment. But the "escaped" tax liability in that penultimate, full financial year would still have been very heavy.

Example:—

Year to December 31, 1950:	Adjusted profits:	£700,000
Year to December 31, 1951:	Do	£500,000
Year to December 31, 1952:	Do	£200,000
Final period to March 31, 1953:	Do	£10,000

Assessment 1952-53 was originally on the previous year's basis, that is, on the financial year ending in the previous tax year, viz., the year to December 31, 1951=£500,000. The company, however, ceased in 1952-53 (March 31, 1953), therefore the original assessment of £500,000 is amended to the adjusted profits earned in the actual tax year 1952-53, as follows:—

$$270/365 \text{ (say } \frac{3}{4} \text{) of } £200,000 + £10,000 = £160,000.$$

A loss in the year to December 31, 1952, would accentuate the need to obtain the maximum tax relief.

As 1951-52 is already based on £700,000, the tax office will not adjust that year, since by so doing the department would be the loser.

The company taking over will be assessed by reference to the commencement provisions in respect of a distinct and separate business taken over. If the company is new, the first assessment must be based on low current profits, if any, which will also be the subject of assessment in the early years.

It is not surprising therefore, that companies which show a falling-off can ill afford to lose the opportunity of substantial reductions of tax liabilities. It may now be understood why there has been the urgency to effect schemes before April 5, 1953. If a scheme were not completed till after that date the final and penultimate tax years would be pushed forward and, in the example above, the assessment for 1952-53 in the amount of £500,000 would still stand. It was anticipated and feared that the Budget might alter and tighten up the law and end this method of "escape." Had such alteration been proposed, long-standing provisions amounting almost to principles would have been affected. Mention should be made that transactions in respect of profits tax and excess profits levy will be negatived, so far as the Inland Revenue is concerned, if it appears that they artificially reduce the profits or create or increase a loss. But a "real" transaction is effective, even if it avoids those taxes.

TRIED ON THE DOG.—The dog is a poodle, somewhat careless in his dress and casual in ablutions, but nevertheless of an apparent innocence that attracts everyone. . . . A few days ago was in my garden, as is his custom. . . . There he found a box of thyroid tablets within his reach. They were active tablets made by a well-known firm and of the strength of gr. 1½. This he could not have known, for he at once consumed gr. 147. Today he is in the garden again and I have the honour to record the important clinical observation that thyroid gland has no obvious or statistically significant effect upon voice production in the poodle. But there is a look in his eye which I have not noted before. I suspect some lowering of the innocence threshold.—*A Peripatetic Correspondent in the "Lancet."*

PHARMACEUTICAL INDUSTRY OF BRAZIL

Past and present developments in America's second largest country

THE first milestone of the Brazilian pharmaceutical industry was reached in 1835, when the Imperial Academy of Medicine formed a pharmacy section and began conferring degrees of Pharmacist. The next step was the foundation of the school of pharmacy at Ouro Preto, Minas Geraes, in 1839, to train chemists and investigate Brazil's abundant reserves of medicinal drugs.

During the remainder of the century a number of pharmaceutical societies were formed throughout the country, but none of those have survived. The oldest of the existing associations, the Pharmaceutical Union of Sao Paulo and the Brazilian Association of Pharmacists, Rio de Janeiro, were founded in 1913 and 1916 respectively. The last-named is affiliated to the *Fédération Internationale Pharmaceutique* and both are included among the institutions declared by Presidential decree to be of public utility. Similar societies, subsequently organised, exist in several other state capitals.

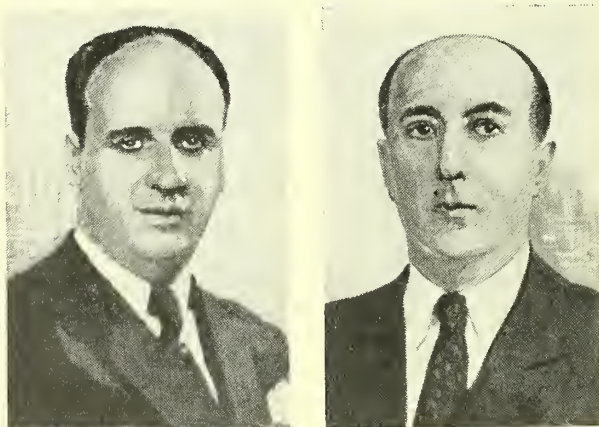
The first Pharmacy Congress, held in 1914, did much to stimulate the growth of the young industry. As a result of its discussions the Brazilian Pharmacopœia was compiled, the existing laws and regulations were codified, technical tuition was reorganised and a research laboratory was created at Rio de Janeiro.

In 1937 the National Academy of Pharmacy was founded in the Federal District. Later, in 1944, a chair of pharmacy was established at the University of Brazil, and in 1948, by which time the number of training centres had increased to twenty-one, the Association of Pharmaceutical Professors was founded. Each laboratory and retail shop must have a pharmacist in charge, if not actually in attendance, and every preparation marketed must bear a label showing the formula and the number of the licence issued by the Public Health Department.

Personalities

Amongst the outstanding personalities responsible for the growth of the pharmaceutical industry in Brazil, the following may be mentioned:—

Orlando Rangel who helped to found the Brazilian Pharmaceutical Centre in 1894. His family have been leading chemists in Brazil for more than half a century and one



Dr. A. Rangel Filho and Professor Abel de Oliveira.

of his descendants, Dr. Antenor Rangel Filho is a past-president of the Brazilian Association of Pharmacists and a prominent member of the National Academy of Pharmacy;

Luiz de Queiroz, of the Pharmaceutical Union of Sao Paulo (1913);

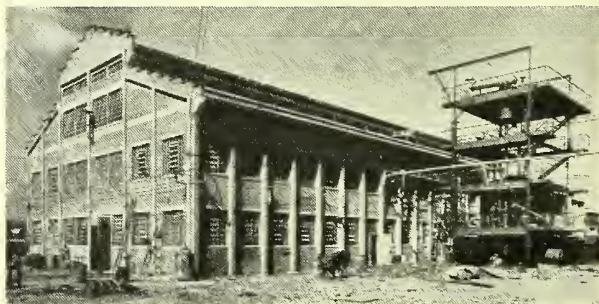
Professor Abel de Oliveira, founder member of the Brazilian Association of Pharmacists (1916), a past-president of that association and member of National Academy of Pharmacy;

Dr. Julio da Silva Araujo, president of the Brazilian Association of Pharmacists in 1922 and member of a traditional family of chemists; and

Dr. Raul Leite, one of Brazil's earliest manufacturing chemists.

Industrial Development

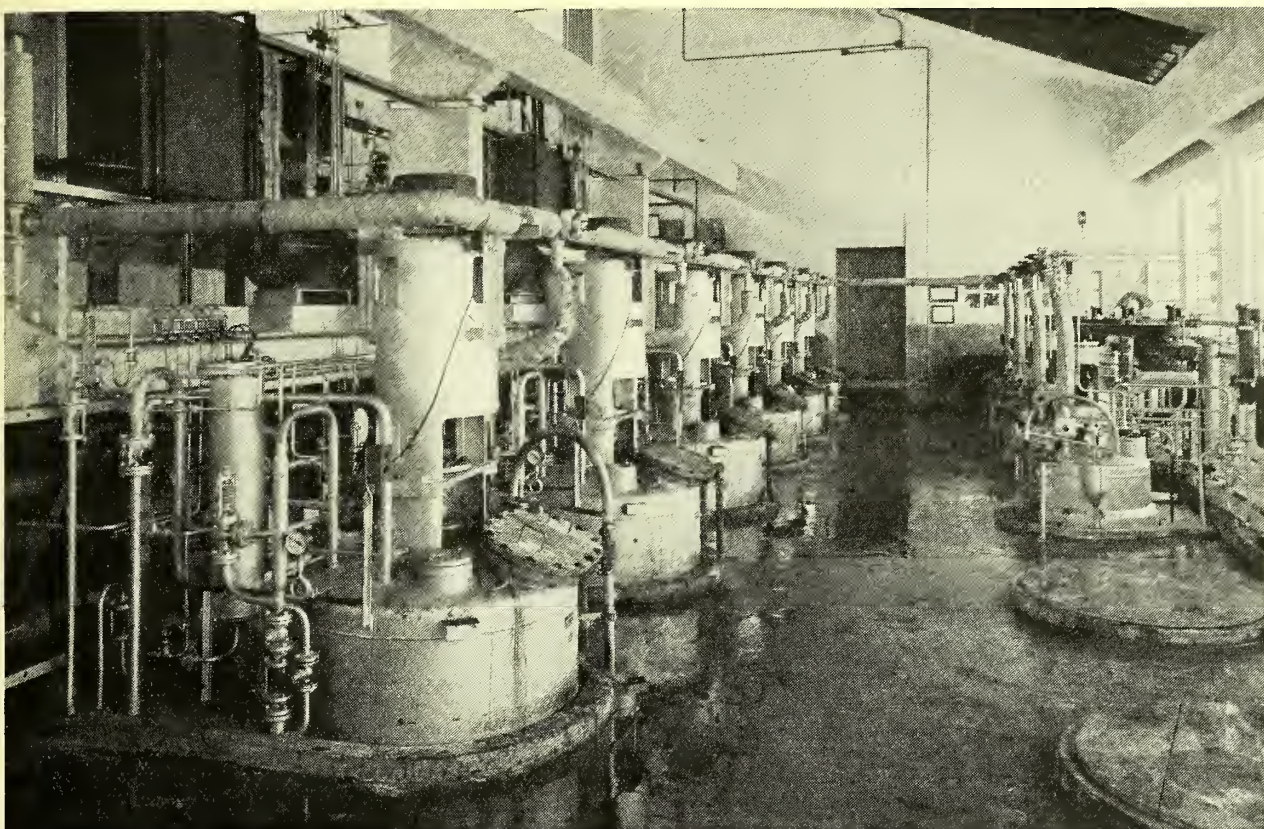
According to early records six laboratories existed in 1850, but nearly all raw materials and the great majority of manufactured products continued to be imported during the next sixty years. Local production was practically confined to syrups, tonics and simple formulas, other preparations being imported and distributed by the representatives of foreign manufacturers. An abrupt change occurred when the first world war disrupted supplies from abroad and forced Brazil to rely upon her own resources. From 1914 onwards elements of Brazil's flora, fauna and minerals have gradually replaced imported raw materials. Among the drugs obtained from indigenous material are cocaine, senna, quinine, coumarin, curare, theobromine, pilocarpine, digitalin and emetine, whilst raw materials abound for essential oils, emulsions, flavouring and colouring matter and balsamic resins.



Rhodia's antibiotic factory at Santo Andre.

Machinery and equipment had in many cases to be adapted or improvised at first, as very little could be imported. The growing demand and big profits attracted capital and many new laboratories were opened. Some were ephemeral, financed by loans at high rates of interest, and were obliged to close down when competition from abroad was resumed after 1918. Others improved processes and became firmly established. Several foreign firms, who had hitherto maintained distributing agents, formed local subsidiaries, built factories and transferred equipment and skilled staff to Brazil. Protective tariffs and high freights began to operate against imports, while cheap labour and low taxation favoured local manufactures.

Between 1913 and 1935 the number of registered establishments producing chemical and pharmaceutical products increased from 765 to 1,488, but of these 599, in 1913, and 681, in 1935, were unimportant concerns, employing fewer than six workmen. During the same period the value of production increased from £480,000 to £4,367,000. Five years later, in 1940, the number of factories had risen to 1,780, representing an investment of £15,041,000, of which 25 per cent. was contributed by foreign capital, while the



Part of the plant in Rhodia's antibiotic factory situated near Sao Paulo and inaugurated December 1952.

value of production had increased to £28,480,000. Finally, the 1950 census returns quote the number of establishments as 2,648, applied capital as £80,429,000, and value of production as £177,568,000.

Statistics

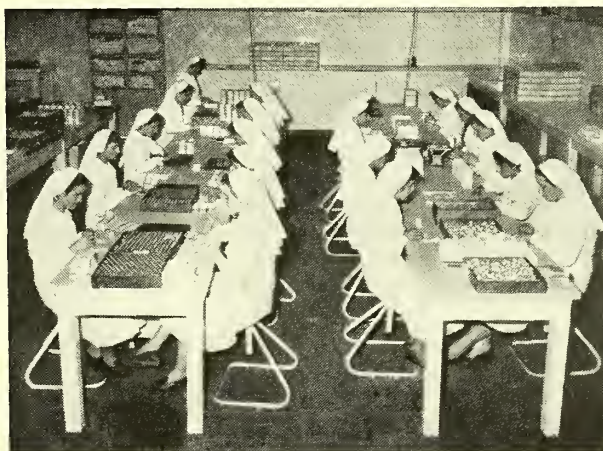
The official returns do not discriminate between pharmaceutical laboratories and establishments manufacturing industrial chemicals, but reliable private sources estimate the number of pharmaceutical laboratories at 186 in 1920, 500 in 1935 and 831 in 1952. In addition to private laboratories there are a large number of government institutions, producing vaccines and serums. The great majority of these preparations are distributed free to Public Health services, Agricultural Departments and municipal authorities. The Butantan Institute prepares serums and vaccines and maintains analytical, research and biological laboratories, student courses and immunisation posts. Among other important government laboratories are the Manguinhos Institute, engaged in research work, the Pasteur Institutes of Rio and S. Paulo and the S. Pau'o Bacteriological Institute.

The value of the pharmaceutical products turned out by the laboratories in 1950 was estimated at £100 millions. The principal products were tonics, laxatives, penicillin, streptomycin, blood purifiers and sedatives, in that order. Consumption of medicines is high in the towns and is boosted by well organised propaganda, but it is low in rural districts, where the inhabitants have easy access to herbal remedies. Prices, too, are high and continue to rise under the impact of inflationary forces, but the increase is not out of proportion to that of foodstuffs and other products. Analysis of the balance sheets of 218 chemical manufacturers by *Conjuntura Economica* in December 1952 revealed that the percentage of profits on capital plus reserves increased from 29.0, in 1950, to 32.3 in 1951. The corresponding percentages for industry in general were 26.8 and 28.5. Considering the various branches of the chemical industry separately, one finds that the percentage of profits

increased from 37.6 to 39.2 in the pharmaceutical sector and decreased from 35.5 to 34.7 in the perfumery branch, while capital plus reserves increased by 21 per cent. in the former and 6.9 per cent. in the latter. The greatest expansion has occurred in undertakings in which foreign capital participated through local subsidiaries or consortiums.

Expansion in the industry showed no signs of slowing down in 1952. Approximately 90 per cent. of the medicines consumed in Brazil were prepared locally, although a large proportion of the raw materials must still be imported. During the year 7,169 new preparations were licensed by the Public Health Service.

In December 1952 Rhodia Brasileira's new factory at Santo Andre, S. Paulo, began operating, with an initial monthly production of 2,000 million units of penicillin crystalline G and procaine penicillin. Two other penicillin factories are about to open in Sao Paulo and two Rio laboratories are transforming imported crude into crystal-



Checking and packaging the penicillin.

line penicillin. The Minas Geraes State Laboratory produced at the rate of 450,000 sulphonamide tablets monthly for the National Leprosy Service in 1952 and will increase output to 2,400,000 this year. The penicillin plant at Santo Andre is to increase its monthly output in the second half of the current year to one million mega units. Once the new output figure is reached, the plant will be able to cover about two-thirds of domestic needs.

There are projects to take up the manufacture of streptomycin in Brazil and interested firms are believed to have the necessary equipment. It is reported that the start of production however has been delayed and that imports will continue as long as they remain free of duty.

Meanwhile, the authorities have pegged prices of pharmaceuticals at the levels ruling on May 1 in order to study and prepare new listed prices for pharmaceutical products. The prices are to remain unchanged until further notice.

The following figures illustrate the development of Brazil's foreign trade in the last ten years. Between 1941 and 1951 imports of chemical products increased, in volume, 5.4 times and, in value, 7.6 times. Exports from Brazil increased 1.2 times in volume and 2.5 in value. Pharmaceutical products represented, in value, 24 per cent. of Brazil's total chemical imports in 1947 and 36 per cent. in 1951. Theobromine was first exported in 1943 and cmetine hydrochloride in 1945. Small quantities of each were shipped to the United States, Great Britain and other countries in Europe and South America.

Twenty laboratories were engaged in exporting Brazilian chemicals during 1944-45 but only six or eight still remain in the field. Exporters complain that bureaucratic processes stifle business, but high prices suffice to explain the relative stagnation of exports. The situation should improve under the new exchange law (see *C. & D.*, January 24, p. 93).

AN ANTIDOTE FOR DRUG COMA

BY L. R. C. HAWARD, D.Psy. (Leyden), M.A., B.Sc., A.B.Ps.S., A.M.Inst.E.

WITH the increasing use of the barbiturates and related drugs, cases of collapse and prolonged coma, either accidental or with suicidal intent, are becoming more frequent. In some cases the reaction has been due to the concomitant intake of a proprietary medicine, and the general practitioner is thus faced with a situation requiring great pharmacological insight. Thanks to the efforts of Dr. Jonathan Gould, St. Bartholomew's Hospital, London, a prescription has been devised that is of great value in producing a rapid return to consciousness. It not only reduces considerably the period of coma, but produces a return to normal in other psychiatric states, such as delirium and confusion, when they are the consequence of prolonged drug administration. In view of the part played by glucose, ascorbic acid, aneurine, pyridoxine, and nicotinic acid in brain metabolism, Dr. Gould concluded that the use of large doses of those substances in the treatment of drug-induced delirium, coma, and psychosis, might yield profitable results.

The basic prescription (from the initials of the ingredients of which its name Pagan is derived) is:—

Pyridoxine	...	...	...	...	200	mgm.
Ascorbic acid	...	...	...	...	1,500	mgm.
Glucose, 10 per cent. solution	...	...	...	...	100	mils
Aneurine hydrochloride	...	...	...	...	1,000	mgm.
Nicotinamide	...	...	...	...	200	mgm.
Distilled water or standard saline solution	...	...	...	...	300	mils

The preparation, as a sterile solution, is administered by direct moderately rapid injection via a venipuncture, or by a rapid drip. In severe cases the first recovery may be followed by a relapse, and it is then necessary to give two more injections containing half the above dose at between four- and eight-hourly intervals. Where the situation does not include a coma or comatose state, it is sometimes preferable to give the dose in quarter parts, with about six hours in between each administration, and it will then often be found that the full dose is not required.

The formula is varied according to the medication history of the patient. For example, one patient, who had become comatose after taking 8 gr. of soluble phenobarbitone, was given the full dose less the glucose, since it was found that her glucogen store was still high after recent insulin therapy. She was able to talk, and became orientated within fifteen minutes of the administration. Another patient, who developed post-operative psychosis, also had the glucose-free prescription, since she had received a high glucose dosage during the post-operative period. In other cases the aneurine, nicotinamide, or pyridoxine were omitted according to the requirements of the particular patient. The full prescription is usually necessary, however, and a wide variety of drug-induced reactions have been miraculously cleared up. Among the most frequent cases

are those of confusion and delirium following a large dosage of analgesics or sedatives for virus pneumonia, injuries and amputations, and every administration has so far been completely successful, and possessed no side reactions. PAGAN has thus proved to be another important weapon in the pharmaceutical armoury, and pharmacists may soon be asked to furnish supplies to implement first aid equipment at ambulance centres.

A PHARMACY PASSES

THE old-established pharmacy of Wootton & Webb, Ltd., Luton, closed its doors for the last time on May 2. The directors have retired and the premises have been sold. The pharmacy was opened in 1837 by the late Mr. Peter Wootton, whose son, Mr. A. C. Wootton, was later to become the Editor of *THE CHEMIST AND DRUGGIST*. He had as his assistant Mr. James Horwood, a typical old-time apothecary who wore a skull cap and white apron behind the counter. The original premises, with the old-time bow windows, soon became inadequate and a move was made to the site on which the business was conducted until May this year.

Mr. J. H. Webb was apprenticed at the shop, and after passing the qualifying examination of the Pharmaceutical Society and gaining experience in London and elsewhere he returned to Luton and went into partnership with Mr. Wootton. After the death of Mr. Wootton the ever-increasing business was carried on by Mr. Webb, who was later joined by his son, Mr. F. H. Webb, who afterwards became an ophthalmic optician and built up a large practice.

Eventually the business was converted into a private limited company, Miss E. L. Webb joining her father and brother as one of the first directors. Mr. J. H. Webb, in addition to his business activities, found time to become a member of the Luton urban district council and many other public bodies. He died in 1932 and Mr. F. H. Webb became managing director. Mr. G. N. Shelton, who had joined the firm in 1923, and Miss H. M. Webb became directors.

In 1942 Mr. F. H. Webb took over a branch which had been opened in Harpenden, Herts, but shortly afterwards was obliged to retire owing to physical disability. Since that time the business has been carried on by the remaining directors.

Many expressions of regret at the company's passing have been received from former customers, whose ancestors, in many cases, had their medicines compounded by the founder of the business. In this connection the original prescription books form interesting reading when compared with those of today. Mr. F. H. Webb remembers the time when the apprentices made twenty-gross batches of stock pills.

A Chartered Accountant gives answers to ANY BUSINESS QUESTIONS

Will you please advise us if a stockvaluer's fee is allowable for income-tax?

THE payment of a fee arising out of the valuation of stock-in-trade with a view to arriving at the results of an accounting period, is, in the writer's opinion, wholly and exclusively laid out for the purposes of the trade. It may not be directly for the purpose of earning profits, but it is incidental to that object. Clearly, it is not capital expenditure. There should be no difficulty in obtaining the assent of H.M. Inspector of Taxes to this expenditure as an admissible item. The frequent practice of the trade to call in stock valuers may be referred to.

Building insurance has been disallowed by the inspector of taxes. What grounds are there to justify this?

A STATUTORY allowance is granted under Schedule A on land and buildings in the United Kingdom and this allowance covers not only repairs but maintenance, management and insurance. All expenses in connection with the upkeep of the property are deemed to be included in the statutory allowance and the acceptance in the accounts of a business chargeable with Schedule A of building insurance would have the effect of allowing it twice. Provision is made, however, for a claim to relief under Schedule A in respect of repairs and maintenance, etc., in excess of the statutory allowance granted, based on the average of the preceding five years' expenditure.

Thieves broke into one of our branches and stole considerable quantities of stock and also cash. What income-tax claims, if any, can be made on account of these losses?

LOSSES due to burglary in such circumstances are allowable deductions in so far as they are not recovered by insurance. Premiums under an insurance policy will have been claimed, and consequently the insurance monies recovered (or recoverable) must be brought into charge. The trading and profit-and-loss account will show such receipt, but on the other hand trading stock will show a fall in valuation as a result of the burglary and any loss suffered will be automatically reflected in the accounts. Cash stolen will be entered in the cash book, reducing the balance and may figure, if so desired, as a special entry in the profit-and-loss account.

We were particularly interested in an answer published in the issue of June 20 on the question of including in the rent charge the payment of a premium on the acquisition of a lease. We are not clear about the last sentence of your reply, which seems to suggest that the premium is after all permissible in certain circumstances. Your explanation would be welcome.

THE payment of a premium in connection with the grant or transfer of a lease is in no circumstances a permissible revenue charge. If the Commissioners adjust the Schedule A assessment of the property, taking into consideration a premium paid, the increased valuation may be substituted for the rent payable in arriving at the business liability. Relief may accordingly be indirectly obtainable. Usually, rent is in excess of the net annual value, the latter being arrived at after the statutory allowance has been computed.

I have bought a car to be used in my business and I am told that, as I obtained it after the Budget, I can get an increased allowance. Will you explain this?

BEFORE the Budget, it was possible to obtain an allowance, commonly referred to as a wear-and-tear allowance, amounting to 25 per cent. per annum of the purchase price in the first place and thereafter of the written-down value, that is, purchase price less allowances already given. The Budget reintroduced the grant of an initial allowance. This means that, for a vehicle purchased after the Budget, an initial allowance of 20 per cent. in addition would be permitted, based on the cost price, or if bought on hire-purchase, etc., on the instalments. A car costing £600 may

obtain an initial allowance of £120 and the usual annual allowance of 25 per cent., in this case £150, giving a total of £270 as a possible first allowance. The written-down value will be £600-£270, that is £330, and the next allowance for wear-and-tear will then be 25 per cent. of £330.

We intend to form a company which we understand will be an exempt private company. Would you tell us what this means?

PRIVATE companies enjoy certain privileges and exemptions. The expression "private company" means a company which, by its articles, has some restriction over the right to transfer the shares; limits its members, exclusive of employees, to fifty; and prohibits any invitation to the public to subscribe for shares and debentures of the company. To obtain certain further benefits (for example, exemption from the obligation to file a copy of the balance sheet with the Registrar), the company must also be an "exempt" as well as a private company. To be so exempt, the law requires that no body corporate shall be a holder of shares or debentures, and no person other than the holder shall have an interest; further, debenture-holders also must not exceed fifty, and no body corporate can be a director of the company. The policy of the company must not be taken out of the hands of the directors, members and debenture holders. In essence, it amounts to this, that a private company obtains certain privileges only if it is also exempt, that is, falls within the definition of an "exempt private company."

As a representative for pharmaceutical products, I am considering taking out an accident insurance. Are there any special points to be borne in mind when taking out such a policy?

APART from the general considerations involved in such a question, it should be remembered that accident insurance is usually an annual contract, and that continuous benefit is limited often to a year. If the insurer refuses for any reason to renew the contract, the insured may have difficulty in finding suitable alternative cover. It is possible to obtain a non-cancellable insurance in which premiums will be payable up to a certain age (say, 55, 60 or 65, unless the policy waives the premium during period of benefit) and stipulated benefits, immediate or deferred (for example, for a period of four weeks, so cutting out "small" illnesses and reducing the premium) are payable up to that age. There is a limitation on the rate of benefit by reference to the earnings of the insured. Apart from the portion applicable to death benefit, premiums are not charges for income-tax purposes. It should also be noted that receipts under such a policy are not taxable unless they continue for at least a full fiscal year, when the Inland Revenue regards the recipient as akin to an annuitant in receipt of an annuity which is taxable.

ECHOES OF THE PAST

AN EXPERIMENT IN AMPUTATION

From "Every Man's Magazine, or The Monthly Repository of Science, Instruction and Amusement," December 1771.

A NOBLEMAN in the neighbourhood of Pontoise, who had a gangrene in his right arm, sent for a surgeon, who saw an absolute necessity of amputation; and having never performed such an operation, he sought, but in vain, for a dead body to practise upon, that he might succeed the better. No time was to be lost: —the surgeon had a father in prison for debt, whom he hoped to set at liberty with the fee he should receive for the amputation. In this perplexity, his brother, a peasant of the same village, offered him his arm for the experiment; having performed on him, he succeeded afterwards with dexterity in the operation upon the nobleman, who being informed of this extraordinary instance of filial generosity, relieved the father from prison, and settled a life annuity on him and his children. —"Translation of a French Piece by a Young Gentleman at Westminster School."

BRITISH PHARMACEUTICAL CODEX

Provisional Deletions

THE Codex Revision Committee of the Pharmaceutical Society has issued the following provisional list of deletions from the British Pharmaceutical Codex 1949:—

PART I MONOGRAPHS

Acetanilid.
Acid. hydriod. dil.
Acid. hydrobrom. dil.
Acid. morrh.
Acid. ricinoleic.
Acid. sulphuros.
Adhat.
Æthoxyæthanol
Æthylen
Alcoh. methyl.
Allium
Alth.
Alumin. sulph.
Ammoniac.
Ammon. acet.
Ammon. benz.
Ammon. cit.
Ammon. phosph.
Amylocain. hydrochlor.
Anchus.
Andrograph.
Apium
Aq. hamam.
Arec.
Arecolin. hydrobrom.
Argent. pic.
Arnic. flos.
Arsen. triiod.
Asafœt.
Azorub.
Bela
Benzamin. lact.
Benzon.
Berberin. sulph.
Betain. hydrochlor.
Betanaphth.
Bism. cit.
Bism. et ammon. cit.
Bism. et sod. tart. acid.
Bism. tribromphen.
Bromvalcton.
Butylchloral. hydr.
Caffein. et sod. salicy.
Calc. brom.
Calc. et hydrog. phosph.
Calc. lævul.
Calc. sulphur.
Cannab.
Cantharidin.
Canthar.
Cascaril.
Cass. cort.
Catech. nig.
Cerat.
Cer. oxal.
Chenopod.
Chirat.
Chloralformam.
Chloroazodin.
Chrysarob.
Colch. sem.
Conii fol.
Convallar.
Copaib.
Croc.
Cupr. cit.
Curcum.
Cuss.
Cydon.
Datur. fol.
Derr.
Derr. præp.
Diatomit.
Dihydromorph.
hydrochlor.
Ephedrin. anhydros.
Ergotox. æthanosulph.
Erythrityl. tetranit. dil.
Euflavin.
Extract. fell. bov.
Ferr. et ammon.
citro-arsen.
Ferr. et mang. cit.

Ferr. et strych. cit.
Ferr. lact.
Ferr. oxid. præc. rub.
Ferr. perchlor.
Ferr. phos. sacch.
Ferr. pyrophosph.
solub.
Ferr. quin. et strych.
cit.
Ferr. subchlor. cit.
Ferr. valer.
Ferr. redact.
Fœnum-græc.
Frang.
Fucus
Grindcl.
Guaiac. lign.
Guaiac. res.
Guaiacol. carb.
Gutt. perc.
Hæmatox.
Hæmam. cort.
Hexæstr. diprop.
Holarr.
Hydrarg. cyanid.
Hydrarg. oxid. rub.
Hydrarg. salicyl.
Hydrastin. hydrochlor.
Hydrast.
Hyoscyamin.
hydrobrom.
Hyoscyamin. sulph.
Hyoscy. mutic.
Ichthyocoll.
Inj. nucleotid.
Irid. rhiz.
Jaborand.
Kalad.
Kino
Kino cucalyp.
Kola
Lævulos.
Laurocer.
Lith. bromid.
Lith. carb.
Lith. cit.
Lith. salicyl.
Lonchocarp.
Lycopod.
Magnes. perox.
Magnes. phosph.
Maltodextrin.
Malto.
Mang. glycerophosph.
Maphcnid.
Marrub.
Matricar.
Meproch.
Methylsulphonal
Mylabris
Myric.
Œstradiol. diprop.
Œstron. benz.
OLEA:
abiet.
anthem.
bergam.
betul.
cardam.
cass.
cedri
cocois
croton.
cubeb.
fœnic.
junip.
melal.
myrc.
nerol.
palm. nucl.
piment.
pini aromat.

rosæ
santal.
santal. Austral.
sinap. vol.
succin.
thym.
Ovolecithin.
Papaver.
Papaver. cap.
Paradichlorobenz.
Pellet. tann.
Pepton.
Pers.
Phenazon. salicyl.
Phenothiaz.
Phenylhydrazin.
hydrochlor.
Pholedrin. sulph.
Picrorh.
Piper alb.
Piper nig.
Plumb. carb.
Potass. acet.
Potass. carbonas
Potass. et sod. cyanid.
Potass. guaiacolsulph.
Potass. phosph.
Potass. sulph.
Potass. tart.
Propamidin. isethion.
Pterocarp.
Pyrogall.
Quinidin.
Quinin. et æthyl. carb.
Quinin. et uræe
hydrochlor.
Quinin. hydrobrom.
Quinin. iodobism.
Quinin. salicyl.
Quinin. tann.
Quinin. valer.
Rauwol.
Rhead. pct.
Ros pet.
Rubi idæi fol.
Safrol.
Sambuc.
Sandarac.
Sars.

PART VI MONOGRAPHS

Acet. cantharid.
Acet. ipeac.
Acid. nitro-hydrochlor.
dil.
Aq. anethi dest.
Aq. aurant. flor. conc.
Aq. camph. conc.
Aq. cinnam. dest.
Aq. laurocer.
Aq. menth. pip. dest.
Aq. ros. conc.
Aq. sambuc.
Aq. sambuc. tripl.
Aurist. resorcin.
Balnea
Boroglyceer.
Caps. ol. santal.
Caps. quinin. ammon.
Cascin. glycerophosph.
Cera ascp. chirurg.
Chloral camph.
Collod. acetone.
Collod. vesic.
Collut. acid. tann.
Collut. alum.
Conf. guaiac. co.
Conf. piper.
Conf. scenn. et sulphur.
Conf. sulphur.
Cret. camph.
Decocta
Dec. aloes co.
Dec. aloes co. conc.
Dec. chond.
Dec. cinchon. conc.
Dec. coff. præp.
Dec. sars. co.
Dec. sars. co. conc.
Dec. scopar.

Sassaf.
Scopar.
Serpent.
Sevum
Sinap. alb.
Sinap. nig.
Sod. acet.
Sod. aurothiosulph.
Sod. cacodyl.
Sod. camphorsulphon.
Sod. chlor.
Sod. chloraur.
Sod. glycerophosph.
Sod. hydnocarp.
Sod. hypophosphis
Sod. percarbon.
Sod. phenolsulphon.
Spart. sulph.
Sphag.
Stann. oxid.
Stann. pulv.
Staphisag.
Stilbæstr. diprop.
Succ. limon.
Sulphasolucin.
Sulphonal
Tarax.
Thea
Theophyll. et sod. acet.
Thiosinam.
Thym. herb.
Thymol. iod.
Tilia.
Toluen.
Turpeth.
Tussilag. fol.
Ulm. fulv.
Urgin.
Valerian. ind.
Ventricul. desic.
Viburn.
Virid. malachit.
Xylcn.
Yohimb. hydrochlor.
Zinc. acet.
Zinc. carb.
Zinc. permang.
Zinc. phenolsulphon.
Zinc. valer.

Enema fellis bovin.
Ext. aloes.
EXTRACTA:
aurant. liq.
cannab.
conii.
ergot.
euonym.
euphorb. liq.
gelsem.
grindcl. liq.
hydrast. liq.
hydrast. sicc.
jaborand. liq.
kola liq.
pæpav. liq.
quass.
rhei. liq.
tarax. liq.
thym. liq.
viburn.
viburn. liq.
acid. tann.
chlorocresol.
Garg. pot. chlorat.
Gelat. ichtham.
Glycer. aluminis
Glycer. pepsin.
Glycer. trag.
Glycogelat.
Gran. caffein. cit. efferv.
Gran. lith. cit. efferv.
Gran. mag. sulph. efferv.
Gran. sod. phosph.
efferv.
Gran. sod. sulph. efferv.
Gutt. proflavin.
Haust. æther. co.
Haust. chloralformam.
INFUSA:
aurant. co. rec.
aurant. rec.
buchu rec.
caryoph. rec.
chirat. conc.
cinchon. acid. conc.
cinchon. acid. rec.
digit. rec.
gent. co. rec.
kramer. conc.
rhei rec.
ros. acid. conc.
ros. acid. rec.
scopar. conc.
scopar. rec.
sencg. rec.
senn. rec.
valerian. rec.
Inj. quinin. et. uræe
hydrochlor.
Inj. quinin. iodobism.
Inj. sod. morrh.
Insufflationes
Irrigatio zinci perman-
ganatis
Linct. chlorof. et
morph co.
Linct. diamorp. et.
hyoscy.
Linct. opii camph. co.
Linct. scill.
Linct. tolu. co. pro
infant.
Lin. ammon.
Lin. bellad. c.
chlorof.
Lin. cantharidin.
Lin. chlorof.
Lin. opii
Lin. pot. iod. c. sap.
Lin. sinap.
LIQUORES:
aminacrin.
ammon. cit. dil.
ammon. cit. fort.
arsen. et hydrarg. iod.
azorub.
bism. acid.
bism. conc.
bism. et ammon. cit.

brom. co.
calc. hydrox. sacch.
calc. sulphurat.
cantharidin.
carmin.
chloramin
cocc.
epispast.
ferr. dialysat.
ferr. persulph.
ferr. phosph.
opii sed.
proflav.
ros. dulc.
sod. phenat. co.
thymol. co.
zinc. chlor.
Lot. acid sulphuros.
Lot. acid. tann.
Lot. calc. hydrox.
oleos.
Lot. evap.
Lot. hydrarg. nigr.
Lot. pic. carb. alk.
Lot. pic. carb. et plumb.
Lot. plumb. et glycerin.
Lot. potass. sulphurat.
c. zinc
Lot. sulphur. co.
MISTURÆ:
bism.
bism. et morph.
calc. chlorid.
casc.
creosot. et pot. iod.
cret. c. catech.
cret. c. catech. pro
infant.
ferr. arsen.
gent. acid. pro infant.
gent. alk. pro infant.
gent. c. rhco
gent. c. rhco pro
infant.
hexamin.
phenazon. et pot.
brom.
pot. brom. et arsen.
stramon. et ephed.
pro infant.
strych. et ferr.
Oculentum atropinæ et
cocainæ
Oleores. capsic.
Oleores. cubeb.
Ol. phenol.
Paren.
Past. acid. tann.
Past. bism. carb.
Past. hamam.
Past. resorcin. co.
Past. resorcinolis com-
posita mitis
Past. zinc. oxid. et
iodof.
Pastilli ammonii bromidi
Pastilli ammonii
chloridi
Pastilli benzaminæ
Pastilli cocainæ
hydrochloridi
Pastilli codeinæ
Pastilli cucalyptolis
Pastilli mentholis
Pastilli mentholis et
eucalyptolis
Pessus argenti picratus
Pessus proflavinæ
Pessus quininæ
hydrochloridi
Phenol c. camph.
Pig. chloral. co.
PILULÆ:
aloes et asafœt.
aloes et ferr.
aloes et myrrh.
aloin. co.
aloin. et podoph. co.
aloin. et strych. co.
arsen. trioxid. co.

asafet.
casc. bellad. et nuc.
vom.
colocynth. et hydrarg.
ferr. carb. co.
ferr. carb. c. arsen. et
strych.
ferr. carb. et arsen.
ferr. et arsen.
ferr. phosph. c.
quinin. et strychn.
ferr. valerianatis
composita
hydrarg. c. cret. et opii
hydrarg. c. rheo
hydrarg. subchlor.
colocynth. et hyoscy.
hydrarg. subchlor. et
colocynth.
plumb. c. opio
sap. c. opio
scill. co.
zinc. oxid. et bellad.
POTUS IMPERIAL.
Pulv. acac. et trag.
Pulv. acetanilid. co.
Pulv. cinnamom. co.
Pulv. iodonhthal. co.
Pulv. jalap. co.
Pulv. kino co.
Pulv. lobel. co.
Pulv. stramon. co.
Res. carbol.
Sal aper. sulphurat.
Sal carol. fact.
Sal carol. fact. efferv.
Sev. benz.
Solv. acid. tann. co.
Solv. chloramin.
Solv. hydrarg. oxycyanid.
Solv. pot. permang.
Solv. proflavin.
Sp. ether. co.
Sp. anis.
Sp. chir., Nos. 2, 3

and 4.
Sp. cinnam.
Sp. colon.
Sp. junip.
Sp. myrc. co.
Sp. myrist.
Sp. rosmarin.
Sp. sap. kalin.
Succ. allii
Succ. tarax.
Supp. adrenal.
Supp. adrenal. et cocain.
Supp. glycer. sap.
Supp. ichtham.
Supp. plumb. c. opio
SYRUP:
acid. hydriod.
allii
alth.
aromat.
aurant. flor.
bromof. co.
calc. chlorid.
calc. lactophosph.
calc. lactophosph. c.
ferr.
casc. aromat.
cocillan. co.
codein et creosot.
creosot. co.
ferr. phosph.
glycerophosph. et
pepsin. co.
glycerophosph. flav.
marrub.
opii camph.
papav.
pic. liq.
pini
rhei
rhead
trip.
TABELLÆ:
acetanilid. co.
acetanilid. co. c.

codein.
aloin.
ammon. brom.
bism. et. sod. bicarb.
bromvaletol.
cinchophen.
erythrityl. tetranit.
ferr. carb. et aloin
guaiaicol. carb.
hypophosph. co.
methylthionin. chlor.
pancreatin. co.
phenacetin. et caffen.
cit.
phosph. et hypo-
phosph. co.
salicin.
salol.
stann. et stann. oxid.
sulphacetamid.
sulphonal.
TINCTURE:
aconit.
aconit. fort.
aloes.
arnic. flor.
asafet.
aurant. conc.
buchu
cannab.
cardam. aromat.
cascaril.
chlorof. co.
chlorof. et. morphinæ
composita
cinchon.
cinchon. co.
cinnam.
euonym.
ferr. perchlor.
guaiaic. ammon.
hamam.
hydrast.
jaborand.
jalap.
kino
kramer.
lavand. co.
limon. conc.
lobel. simp.
myrrh. et borac.
opii ammon.
podoph.
prun. serot.
quinin.
senn. co
valerian. simp.
Lozenges with fruit basis
Troch. ammon. chlor.
Troch. guaiaic. res.
Troch. ipecac.
Troch. kino eucalypti
UNGUENTA:
acid. boric. flav.
acid. tann.
adip. lan. hydros.
aq. ros.
bellad.
camph. dur.
capsic. co.
cetac.
eucalypt.
glycer. plumb.
subacet.
hydrargyri oxid.
rubri
hydrarg. plumb. et
zinc.
iod.
kaolin.
methyl. salicyl. co. dil.
methyl. salicyl. dil.
ol. cadin.
plumb. subacet.
resorcin.
resorcin. et bism. co.
rusc. co.
zinc. oxid. c. benzoïn.
Vap. tereben.
Vitellæ chloroformi

B.P. APPROVED NAMES

Further List

THE British Pharmacopœia Commission has issued the following list of approved names for drugs (see also *C. & D.*, April 11, p. 354).

APPROVED NAME	OTHER NAMES
Bromazine	2-(4-Bromodiphenylmethoxy) ethyldimethylamine; Ambodryl
Carbimazole	2 - Carbethoxythio 1-methyliminazole; Neo-Mercazole
Cetomacrogol 1000	Polyethylene glycol 1000 monooctyl ether
Chlorpromazine	3 - Chloro-10-(3-dimethylaminopropyl) - phenothiazine; Largactil is the hydrochloride
Dextromethorphan	(+) - 3-Methoxy-N-methylmorphinan
Dextrophan	(+) - 3-Hydroxy-N-methylmorphinan
Dihydrallazine	1:4 - Dihydrazinophthalazine; Nepresol
Dimenhydrinate	8 - Chlorotheophylline salt of (2 - diphenyl-methoxyethyl) dimethylamine; Dramamine
Hydrocortisone	17 - Hydroxycorticosterone; Hydrocortone
Insulin zinc suspension	Insulin Lente
zinc suspension (amorphous)	Insulin Semilente
zinc suspension (crystalline)	Insulin Ultralente
Iproniazid	N - isoNicotinoyl - N'-isopropylhydrazine
Isophane insulin	NPH insulin
Levomethorphan	(-) - 3 - Methoxy - N-methylmorphinan
Levorphan	(-) - 3 - Hydroxy - N-methylmorphinan; Dromoran is the tartrate
Macrogol 4000	Polyethylene glycol 4000
Macrogol 400	Polyethylene glycol 400
Methoxamine	β - Hydroxy - 2:5-dimethoxy - α - methylphenethylamine; Vasylox is the hydrochloride
Neomycin	An antibiotic produced by a strain of <i>Streptomyces fradiae</i>
Noradrenaline	(-)-2-Amino-1-(3:4-dihydroxyphenyl) ethanol; (-)-Noradrenaline; Levophed
Oxytetracycline	An antibiotic produced by <i>Streptomyces rimosus</i> ; Terramycin
Phenylindanedione	2 - Phenylindane - 1:3 - dione; Dindevan
Pholcodine	2' - Morpholinioethyl ether of morphine; Ethnine
Primidone	5 - Ethylhexahydro - 5 - phenylpyrimidine - 4:6-dione; Mysoline
Propantheline	2' - Diisopropylaminoethyl xanthen - 9 - carboxylate; Pro-Banthine is the methobromide
Racemethorphan	(\pm) - 3 - Methoxy - N-methylmorphinan
Racemorphan	(\pm) - 3 - Hydroxy - N-methylmorphinan
Salicylamide	o-Hydroxybenzamide
Sodium antimonyl-gluconate	Sodium salt of a trivalent antimony derivative of gluconic acid; Triostam
Stibamine glucoside	N - Glucosyl derivative of sodium p - aminophenylstibonate
Thurfyl nicotinate	Tetrahydrofurfuryl nicotinate; Trafuril
Amendments	
Sodium stibogluconate	Sodium salt of a quinquevalent antimony derivative of gluconic acid; Pentostam
Ethyl methimazolate	Name now replaced by Carbimazole

PROPRIETARY ARTICLES TRADE ASSOCIATION

THE quarterly meeting of the council of the Proprietary Articles Trade Association was held in London on July 9, the president (Mr. R. G. Dyas) in the chair. THE PRESIDENT congratulated Mr. H. Holmes (a member of the retail section of the council) on his election as chairman of the National Pharmaceutical Union. He referred to the retirement of Mr. A. Chapman (*C. & D.*, June 27, p. 681), and on behalf of the Council expressed appreciation of Mr. Chapman's services to the Association and wished him health in his retirement.

The council received the resignation of Irving's Yeast-Vite, Ltd., as members of the manufacturers' section of the council consequent upon reorganisation within the group to which the company belonged. On the recommendation of the manufacturers' section County Perfumery Co., Ltd., were co-opted to fill the vacancy.

THE SECRETARY (Mr. H. E. Chapman) reported that, concerning an inquiry by the Monopolies Commission, under Section 15 of the Monopolies and Restrictive Practices Act, a statement as to the Association's policy had been lodged with the Commission. The first part of the statement covered the formation and development of the Association, its activities and those of its members, and furnished certain information asked for by the Commission. The second and last part set out the main purposes of the Association's arrangements and submitted views on their effect on the public interest. The council approved the document.

The council expressed its approval

of the prompt distribution to the Association's members of a comprehensive supplement to the 1953 Year Book and Protected List.

THE SECRETARY'S quarterly report on price maintenance stated that, in addition to one or two persistent cases, there had been minor outbreaks of price cutting mainly in the London area. Since the previous council meeting, 460 calls and 373 test purchases had been made by the Association's test purchasers and representatives.

At a luncheon which preceded the meeting, Sir Hugh Linstead, O.B.E., M.P., was the guest of the council. Welcoming Sir Hugh, and congratulating him on the honour recently accorded him, THE PRESIDENT said that their guest had been knighted for his public and political services as had been his predecessor, Sir William Glyn-Jones. All present were aware of the services he had rendered to pharmacy and the British pharmaceutical industry and of the active part he had played in international pharmaceutical matters. The council were appreciative of Sir Hugh's interest and help in their sphere of price maintenance.

Responding, SIR HUGH expressed his pleasure at being present with his friends of the P.A.T.A. council, and his appreciation of the warmth with which the toast had been received. He was pleased to see a number of pharmacists who were students with him, and was glad that his old chief, Sir William Glyn-Jones had been mentioned by the president. He owed a great deal to that "old crusader," to whom the P.A.T.A. was a memorial.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 15: Demand for CRUDE DRUGS during the week has been rather above the average for the time of year, and inquiries have again covered a wide range of commodities. Nevertheless the tone of many items continues extremely weak. The most interesting feature has been provided by SENEGA, in which business was done for forward delivery at 12s. 3d. per lb., c.i.f., an increase of sixpence over the sellers' price in the previous week. Reports from origin indicate that digging is held up because of adverse weather conditions, and new-crop shipments are likely to be later than usual.

IPECACUANHA was unchanged both in price and availability. SHELLAC was quieter and prices fell by about 5s. a cwt. from the peak levels reached in the previous week. In SPICES, the values of the various PEPPERS hardened as a result of United States buying, but there were again cheaper offers of Zanzibar CLOVES from origin, the July shipment price being down by ninepence per lb. Shippers of Cape ALOES are inclined to hold out for higher prices although there is little business being done. Both old-crop and new-crop African GINGER are now being offered on the spot. In AROMATIC SEEDS, CORIANDER remained a firm market but Dutch CARAWAY was in poor demand with sellers asking 86s. 6d. per cwt. (sixpence down). SAFFRON supplies are in demand at origin since Argentina, formerly a big consumer, is again permitting its import after a lapse of several years. Little business was done in SENNA LEAVES or PODS. Shipments from the port of Tuticorin during June were as follows:—

SENNA	Kingdom United	United States	Europe
LEAVES	Bales 15	Bales 550	Bales 599
PODS...	15	30	194

The leaves were reported to be of slightly better quality than in May but the pods are still poor. As previously at this time of year, firm offers from Portugal for ERGOT are impossible to obtain. TOLU BALSAM was easier by about sixpence per lb.

The markets for PHARMACEUTICAL and FINE CHEMICALS were featureless during the week. The price for French OLIVE OIL showed a further fall bringing it in line with the Spanish oil. The Ministry of Food announced reductions in a number of crude and refined oils including COCOANUT, PALM KERNEL, and COTTONSEED.

In ESSENTIAL OILS the spot supplies of ANISE were lower by threepence per lb.; PEPPERMINT (*arvensis*) by ninepence; SASSAFRAS, ninepence; and sweet ORANGE, 1s. PALMAROSA on the other hand showed an increase of 2s. 6d. on the previous week.

UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, JULY 14: Imports of INDUSTRIAL CHEMICALS from the United Kingdom and Europe continue high with the U.K. sending CRESYLIC ACID, CHLORAL HYDRATE, POTASSIUM CYANIDE and AMMONIUM CHLORIDE. TESTOSTERONE and certain other hor-

mones were reduced by 19 cents per gm. to a new price level of 79 cents following the entry into the field of a new distributor.

The current prices of a number of other PHARMACEUTICAL CHEMICALS are given below:—

	Cents per lb.
Acetone	8.50-10.50
Camphor, synthetic	57.00
Glycerin, pure	44.50
Guaiacum resin	31.62-32.00
Hexamine	23.25
Magnesia, calcined	32.00-32.75
DDT	23.00-26.00
Sodium bromide	34.00-35.00
	Dollars per lb.
Sulphanilamide	1.30-1.50
Theobromine	3.00
	Dollars per oz.
Emetine hydrochloride	35.00-42.85
Atropine	9.35-10.00
Nicotinamide	12.00-12.30 per kilo
Streptomycin	17 cents per gm.
Penicillin (procaine)	
in bulk, per mil-	8.5 to 9 cents
lion units	

Higher per lb. among CRUDE DRUGS were TOLU BALSAM at \$3.25 (up 70 cents); SENEGA, \$1.95 (25 cents); IPECACUANHA, \$5.30 (15 cents). Lower per lb. were COPAIBA BALSAM at 85 cents (down five cents), and Moroccan CORIANDER SEED at 7½ cents (down half a cent). Synthetic WINTERGREEN OIL was higher at 53 cents a lb. (up three cents). Among ESSENTIAL OILS, FORMOSA CITRONELLA at 50 cents per lb. was down two cents and the Ceylon variety ranged from 50-53 cents against 50-55 cents previously. Bourbon and Algerian GERANIUM were substantially reduced and BOIS DE ROSE at \$3.95 per lb. was down by five cents.

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 61s. 6d.

ASCORBIC ACID.—From July 20 the following are the prices (per kilo) for British material:—1 kilo, £9 0s. 6d.; 10 kilo, £8 14s.; 100 kilo, £8 8s.

BENZOIC ACID.—1-cwt. lots are 3s. 0½d. per lb. The SODIUM SALT is 2s. 10½d. per lb. in 1-cwt. lots.

BENZYL BENZOATE. — Makers' offers of B.P. grade range from 4s. per lb. for 1-ton lots to 6s. 9d. for smallest quantities. CHLORBUROL.—28-lb. lots are now at the rate of 10½d. per lb.

CREOSOTE.—B.P. quality, ex beechwood, is quoted at from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CYCLOBARBITONE.—B.P.C. and CALCIUM DERIVATIVES in 1-cwt. lots are 75s. per lb.; small lots from 77s. 3d. to 79s. 6d. per lb.

DIPHENAN.—Prices range from 58s. to 67s. per lb., according to quantity.

ERGOMETRINE. — The MALEATE, B.P., is £45 per gm. and TARTRATE, £41 15s. per gm.

FEROUS SULPHATE.—1-cwt. lots of B.P. crystals are 36s. 6d. and 5-cwt., 35s. 6d. per cwt.; granulated, 2s. 6d. per cwt. extra. EXSICCATED is 90s. per cwt.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID B.P.C., 20 per cent., 5s. 9d.; CALCIUM, soluble, B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d., and insoluble 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., B.P.C. 3s. 1d. and 75 per cent., B.P.C., 4s. 6d.

GUAIACOLS. — LIQUID, B.P., is 16s. 3d. per lb. for 28-lb. lots; CRYSTALS, 16s. 9d.; CARBONATE, 18s. 3d.

HEXOBARBITONE. — B.P. in 1-cwt. lot is 70s. per lb.

HYOSCINE HYDROBROMIDE.—1-oz. lots are 95s. for British material.

LACTATES.—CALCIUM, B.P., is 2s. 10½d. per lb. in 1-cwt. lots; 28-lb., is 3s. 2½d.; 7-lb., 3s. 6½d. per lb. CALCIUM SODIUM, B.P.C., for the same quantities is 4s. 6½d., 4s. 10½d. and 5s. 2½d. per lb. LACTIC ACID, B.P., in 12 winchester lots is 4s., and 3 winchesters, 4s. 4d. per lb. Carboys are 3s. 9d. per lb.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks is £137 per ton, delivered in the United Kingdom.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £17 10s. and £20 per ton, according to size of crystal and manufacturer. Exsiccated is £34 per ton.

MENAPHTHENE. — B.P. is £14 per kilo. Water-soluble (menadione sodium bisulphite, U.S.P.), £19 per kilo.

METHYLPHENOBARBITONE.—B.P. is 63s. per lb. (1-cwt. lots).

METHYL SALICYLATE. —In 5-cwt. lots, price is 3s. 2½d. per lb.; 1 cwt., 3s. 3d.; 56-lb., 3s. 3½d.

OLEIC ACID. — Price for B.P. is about 153s. per cwt.

OPIATES.—Home-trade rates (per oz.) for quantities of 5-oz. and upwards are as follows:—CODEINE.—Alkaloid, hydrobromide, iodide, 5s.; 8d.; hydrochloride and sulphate, 47s. 8d.; phosphate, 41s. 4d. DIAMORPHINE.—Alkaloid, 56s., hydrochloride, 51s. ETHYLMORPHINE.—Alkaloid, 59s.; hydrochloride, 50s. 4d. MORPHINE.—Alkaloid, bimeconate and tartrate, 57s.; acetate, hydrochloride, hydrobromide and sulphate, 47s.

PHENOL. — Basic prices for crystals in drums is 1s. 4d. per lb., and for LIQUID, B.P., 1s. 3½d.

PHENOLPHTHALEIN. — Rates for 1-cwt. lots is 10s. 10d. per lb.

PIPERAZINE. — Quotations for HYDRATE are from 37s. 6d. per lb.

QUININE.—Makers' rates (per oz.) for 100-oz. lots and over are as follows:—ALKALOID, 3s. 10d.; ACETYSALICYLATE, 5s. 4d.; BISULPHATE and SULPHATE, B.P. 1932, 2s. 8d.; SULPHATE, B.P. 1948, 3s.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 3s. 10d.; FORMATE, 4s. 8d.; GLYCEROPHOSPHATE, 4s. 5d.; PHOSPHATE, 4s. 4d.; HYDROBROMIDE and HYDROCHLORIDE, 3s. 5d.; SALICYLATE, 3s. 11d.; QUININE and UREA HYDROCHLORIDE, B.P.C., 4s.; TANNATE, 2s. 7d.

ZINC CHLORIDE. — B.P.C., cake is from 4s. 6d. to 4s. 10d. per lb.; sticks, from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, about 140s. per cwt.

Crude Drugs

AGAR.—Kobé No. 1 on the spot is 18s. 6d. per lb.

ALOE.—Prime Cape on the spot is 165s. per cwt.; shipment, 158s., c.i.f.

BALSAMS.—Quotations (per lb.) are:—*Canada*: New-crop for prompt shipment, 22s. 6d. landed terms. *Copaiba*: Soluble Para, spot, 13s. *Peru*, 10s. 6d., duty paid, and 9s. 3d., c.i.f., for shipment. *Tolu* (genuine as imported) on the spot is easier at 18s. 6d.

CAMPHOR.—Chinese (B.P.) powder on the spot is 3s. 7½d.; ¼-oz. tablets are quoted at 5s. 3d. per lb.; 2½-lb. slabs, 4s. 9d. per lb., all duty paid.

CLOVES.—Zanzibar on the spot are 9s. 6d. per lb., and 6s. 9d., c.i.f., for prompt shipment.

GALANGAL.—Spot material is offered at 85s. per cwt.

GUAIACUM RESIN.—Quotations are about 3s. per lb. for spot material.

GUM ACACIA.—Kordofan cleaned sorts on the spot around 101s. per cwt. Offers for July-August shipment are 90s., c.i.f., and 88s. for August-September.

HENNA.—Indian green leaves are at 75s. per cwt.; brown leaves, 65s., spot. Egyptian are 110s., spot.

HONEY.—Spot supplies of Australian are from 102s. 6d. to 112s. 6d. per cwt., as to quantity; Argentine is steady at from 115s. to 125s.; Jamaican new-crop, 120s. to 130s.

HYDRASTIS.—Root is 21s. 6d. per lb., landed terms.

IPECACUANHA.—Unchanged. Limited offers of Colombian on the spot are at 42s. per lb. and Matto Grosso, 47s. Forward: Colombian, prompt shipment, 39s. per lb., c.i.f.; Nicaraguan, July-August shipment, 44s., c.i.f.

JALAP ROOT.—Vera Cruz is offering at from 3s. 2d. to 3s. 6d. per lb., according to test.

KARAYA.—No. 1 gum on the spot is unchanged at 200s. per cwt.; No. 2 is 140s.; No. 1, for shipment, 185s., c.i.f.

KOLA NUTS.—African halves are available on the spot at 4½d. per lb., 3½d., c.i.f., for shipment.

LANOLIN.—B.P. anhydrous is £175 per ton and hydrous, £155.

LIQUORICE.—Natural whole root, spot: Anatolian, 55s. per cwt.; Russian, 38s.; Syrian, 40s. to 42s. 6d. Block juice quotations are 190s. per cwt., duty paid. Turkish stick is 250s. and Italian stick, 475s. per cwt., both duty paid.

LOBELIA.—Herb is offered at 2s. 7½d. per lb., spot.

MACE.—West Indian pale blade is 7s. 9d. per lb., for shipment, 6s. 11½d., c.i.f.

MASTIC.—Tears (f.a.q.) are 12s. 6d. per lb., on the spot.

MENTHOL.—Brazilian is 39s. per lb. Chinese 40s., both duty paid. Shipment (c.i.f.): Brazilian, 35s.; Chinese, 35s.

MERCURY.—Nominal spot value is £71 per flask, ex warehouse.

MYRRH.—Aden selected sorts are quoted at £16 per cwt., on the spot. Siftings are from £7 10s. to £8 10s., and granulated, £13.

NUTMEGS.—West Indian 80's quoted at 3s. per lb. on the spot and 2s. 6d., c.i.f., for shipment.

ORANGE PEEL.—Thin-cut is 2s. 2d. per lb., duty paid.

ORRIS ROOT.—Offers of average quality Florentine are about 155s. per cwt., ex-warehouse.

PAPAIN.—Spot values for East African grade one are 38s. 6d. and forward, 34s. to 36s., c.i.f., per lb. and grade two, 35s. to 36s., spot.

PEPPER.—Firm. White Sarawak is now 10s. 9d. per lb. on the spot and 10s. 6d., c.i.f., for afloat. Black Malabar is 1,100s. per cwt., on the spot, and 1,085s., c.i.f., for July shipment. Black Sarawak is quoted at 8s. 3d. per lb., c.i.f., July shipment.

PODOPHYLLUM.—*Emodi* root on the spot is 170s. per cwt. *Peltatum*, 336s.

QUASSIA.—Shipment offers are about 31s. 6d. per cwt., c.i.f.

QUILLAIA.—Whole bark is £105 per ton, c.i.f., and spot, £125.

RHUBARB.—Chinese. — Spot offerings include: round Shensi at 12s. 3d. per lb.; rough round high dried, from 3s. 6d. to 8s. 6d. as to quality.

SAFFRON.—Firm. Mancha superior is about 155s. per lb.

SANDARAC.—Morocco is offering on the spot at 13s. per lb.

SASSAFRAS.—Bark is offered at 4s. 9d. per lb., on the spot.

SEEDS.—*ANISE.*—Unchanged. Spot, Cyprian is 137s. 6d. per cwt.; Turkish, 140s., duty paid (135s., in bond). *CARAWAY.*—Dutch in poor demand. Sellers now quoting 86s. 6d. per cwt., duty paid.

CELERY.—Steady. Indian is offering at 1s. 11½d. per lb. spot London. *CORIANDE.*—Market remains firm. Spot, Moroccan reported sold at 60s. per cwt., duty paid. English, 67s. 6d. Shipment: Moroccan is quoted from 51s. 6d. for old crop to 54s. for new crop, c.i.f., London.

CUMIN.—Steady. Spot; Cyprian is 140s. per cwt.; Maltese, 160s.; Moroccan, 150s., duty paid. Shipment: new-crop: Cyprian, 115s.; Moroccan, 105s., c.i.f., London.

DILL.—Indian reported sold at 80s. per cwt., spot London. *FENNEL.*—Sellers of Indian a king 177s. 6d. per cwt., spot London. *FENUGREEK.*—Small demand. Moroccan 47s. 6d. per cwt., duty paid.

MUSTARD.—English 70s. to 87s. 6d. per cwt. according to quality.

SENEGA.—Firm. Very limited offers of spot material are about 14s. per lb. For shipment, 12s. 6d., c.i.f., asked.

SENNA.—*Timnevelly* LEAVES: number 1 on the spot, 11½d. per lb.; number 2, 10d., and number 3, 8d. PODS, f.a.q., are about 1s. per lb. on the spot and 9½d., c.i.f., August-September shipment. Hand-picked range from 1s. 8d. to 3s. ex wharf. *Alexandrian* PODS, manufacturing, 1s. 10d. to 2s. 3d.; hand-picked 3s. to 4s. 6d.

SHELLAC.—Easier. Spot quotations are:—F.O.T.N., pure, 215s.; F.O. standard No. 1, 230s.; fine orange, 240s. to 275s. per cwt., ex-London warehouse.

SLIPPERY ELM BARK.—Selected slabs are 4s. per lb., and grinding quality, 2s. 9d. spot.

STROPHANTHUS.—*Kombé*, 100 per cent. is quoted at about 15s. per lb., on the spot, and *G'atus*, 25s. per lb., nominal.

TURMERIC.—Madras finger, 96s., c.i.f., per cwt. Ranjapore type is 97s. 6d. on the spot, and June-July shipment, 91s., c.i.f., quoted.

VANILLIN.—Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb. 30s. 6d.; smaller quantities, 30s. 9d.

WAXES.—*BEES.*—Dar-es-Salaam spot, 435s. per cwt., July shipment, 420s., c.i.f.; Sudanese and Abyssinian, 360s., c.i.f., spot, 420s., duty paid; Benguella, 370s., c.i.f., and 420s., duty paid. *CANDELLILA.*—Spot is 635s. per cwt. *CARNAUBA.*—Prime yellow, only small lots available on the spot at 1,250s. per cwt.; afloat, 1,200s., c.i.f., shipment, 1,200s., c.i.f.; fatty grey is 1,020s. on the spot; shipment, 945s., c.i.f. *MONTAN.*—Rebeck crude on the spot is 125s. per cwt. *OURICURI.*—Spot, 0.5 per cent. impurities, 730s. per cwt. *SPERMACEIL.*—Case lots are 1s. 9d. per lb. upwards as to quantity.

WITCH HAZEL.—Leaves on the spot are about 1s. 9d. per lb.

Essential and Expressed Oils

ANISE.—Spot supplies are offered at from 6s. 3d. per lb. for original drums.

BAY.—W. Indian is 8s. 6d. to 9s. per lb. on the spot.

BERGAMOT.—Spot value is about 82s. per lb.

CAJUPUT.—Spot supplies are 18s. 6d. per lb.

CALAMUS.—Imported oils are offering from 57s. 6d. per lb.

CAMPHOR, WHITE.—Chinese is 3s. per lb., on the spot.

DILL.—B.P. English-distilled oil is quoted at 60s. per lb. Imported oils are offered at from 30s. to 40s. per lb., as to origin.

EUCALYPTUS.—Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 6d. per lb., and 80 to 85 per cent., 4s. 9d.

FENNEL.—Spanish sweet on the spot is quoted about 10s. 6d. per lb.

GARLIC.—English is from 55s. to 60s. per oz.

HYDROCARPUS.—Spot is offered at 2s. 2d. per lb.

LAVANDIN.—Spot value is 17s. per lb.

NUTMEG.—English-distilled oil is from 42s. 6d. to 44s. per lb. Imported oil is offered at 25s. per lb., duty paid, for drum lots.

OLIVE.—Pharmaceutical oil in drums is from 24s. to 26s. per gall. on the spot, ex warehouse. French virgin (maximum acidity 1 per cent.) is offered for shipment at £270 and French pharmaceutical (maximum acidity 0.25 per cent.), at £265 per 1,000 kilos, c.i.f. London. Spanish virgin is offered in drums on the basis of £250 per 1,000 kilos, f.o.b., Spanish ports.

ORANGE.—Spot offers for sweet vary as to quality and quantity from 9s. to 10s. 6d. per lb.

ORIGANUM.—In original containers the price is 14s. per lb.

OTTO OF ROSE.—Anatolian is offered on the spot at 240s. per oz., and Bulgarian, 480s., nominal, ex warehouse.

PALMAROSA.—East Indian is from 45s. per lb., on the spot, and 36s., c.i.f.

PATCHOULI.—Seychelles on the spot is 49s. per lb., and Penang, 52s. 6d. per lb. Penang for shipment, 48s., c.i.f.

PENNYROYAL.—Quotations are about 12s. per lb., duty paid.

PEPPERMINT.—Spot: *Arvensis*, Chinese, in drums is 26s. 3d. per lb. and Brazilian, 16s. 3d. Forward: Chinese, 24s. 3d. per lb., c.i.f. Brazilian, 15s. 6d., c.i.f. Italian "Mitcham" type oil is 49s. to 52s. 6d. per lb., as to quality and forward from 47s. 6d., c.i.f.

PETITGRAIN.—Firm. Paraguay on the spot is 18s. 6d. per lb., and for shipment, 17s., c.i.f.

PIMENTO.—English-distilled berry is about 70s. per lb., and imported, 55s.

PINE.—*Punilionis* on the spot is from 16s. per lb.; *sylvestris*, 9s.; Siberian (*abietis*), 10s. 6d.

ROSEMARY.—Spanish oil on the spot is about 5s. 6d. per lb., duty paid, for B.P. quality.

RUE.—Spot offers are about 15s. per lb.

SAGE.—Spanish is offered at home 8s. 6d. to 9s. per lb., spot.

SANDALWOOD.—Mysore is 70s. per lb. for 175-lb. lots.

SASSAFRAS.—Brazilian natural is offering at 5s. 6d. per lb. on the spot.

SPEARMINT.—Offers of B.P.C. quality are from 62s. 6d. per lb.

THYME.—B.P.C. is about 9s. 6d. per lb.

VETIVER.—Bourbon in original drums on the spot is about 117s. 6d. per lb.

MISCELLANEOUS INQUIRIES

Cholesterin Hair Tonic

I should like a formula for a hair tonic containing cholesterin.

A FORMULA for a cholesterin-containing hair tonic is:—

Cholesterin	...	...	3
Glycerin	...	...	27
Isopropyl alcohol	...	...	200
Alcohol	...	...	710
Perfume	...	...	15
Water	...	...	45

Bunion Paint

May I please have a formula for a bunion paint?

Two formulas for bunion paint are given below:—

I			
Liq. ammon. dil.	...	½ fl. oz.	
Tinct. iodi. mitis.	...	8 fl. oz.	
II			
Chloral camphor...	...	1 fl. oz.	
camphor 50, chloral hydrate 50 — rub together until liquefied and filter through cotton wool if necessary			
Liq. iodi. decoloratus	...	1 fl. oz.	

Wave-setting Lotions

I would like formulas for both thick and spirituous wave-setting lotions.

THE following is a typical formula for a thick wave-setting lotion:—

Tragacanth	...	...	1.2 gm.
Alcohol	...	...	15 gm.
Glycerin	...	...	2 gm.
Water	...	...	83 gm.
Preservative	...	...	q.s.

A spirituous lotion may be compounded as follows:—

Resin	...	...	10 gm.
Gum benzoin	...	...	20 gm.
Alcohol	...	...	70 gm.
Perfume	...	...	q.s.

Timber Tongue

May I have a formula for, and dosage of, an intravenous injection of sodium iodide for the treatment of timber tongue in cattle?

"TIMBER tongue," "wooden tongue" or "big jaw" are popular names for a localised infection with *Actinomyces bovis* involving the jaw and tongue, occurring in cattle. The iodides are of specific value in the condition and are commonly given orally in repeated daily doses of up to ½ oz. potassium iodide. In resistant cases, sodium iodide may be injected intravenously in doses of gr. 60 in 10-20 fl. oz. of water, repeated, if necessary, at intervals of 7-10 days.

Denture Cleanser

I should be glad if you would supply me with a formula for a liquid denture cleanser.

ASSUMING that a powdered cleanser to be dissolved for use is required, the following is a typical formula:—

Sodium perborate	.....	240 gr.
Sodium chloride	.....	480 gr.
Exsiccated magnesium sulphate	.....	30 gr.
Calcium chloride	.....	30 gr.
Anhydrous sodium carbonate	.....	30 gr.
Methyl salicylate	.....	1 min.
Menthol	.....	2 gr.
Peppermint oil	.....	12 min.

To use, dissolve a small portion in water, and allow the dental plate to remain in the solution overnight. It should be noted that cellulose acetate type dentures are decomposed by alkaline substances. Formaldehyde and phenol formaldehyde types withstand most chemical agents.

Gelatin Moulds

I should like to know the method of making gelatin moulds for statues, etc. I believe an acid is added to the gelatin; is that so?

IN making gelatin moulds it is quite usual to add a little alum to the gelatin. A larger amount of alum tends to make the gelatin difficult to re-melt, and a sticky, unworkable mass is produced. An alternative procedure is to paint the inside of the mould, when it has been made, with an alum solution. In the best practice the mould is varnished before adding the plaster of paris. Alum is not neutral; it has a slight acid reaction, and perhaps that is where the idea of using an acid may have arisen.

Lice Oil

Have you a formula for a lice oil suitable for pigs?

A LICE oil with a long established use for cattle includes paraffin, and it is probable that a similar preparation would be useful for pigs. The formula is:—

Paraffin	...	...	...	...	5 i
Ol. picis	...	...	...	...	5 i
Ol. sesami	...	...	...	...	5 v

Any damaged or inferior fixed oil may be used for this application.

HERB CROPS

Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, send the following report on their herb crop for 1953:—

The very wet June this year has produced better growing crops than last year. They are likely to yield well. Cultivation has been difficult, however, owing to frequent heavy storms.

BELLADONNA.—The first cut came out well. Another cut will be made in mid-August. CHAMOMILE.—This is looking better than it has for several years. There should be a heavy yield of flowers for distilling. CLARY SAGE.—The crop is now in full flower having benefited by recent sunshine. DILL.—The crop this year is looking well, and should give a good yield of oil. ELDER FLOWERS.—An ample yield. HYOSCYAMUS.—The second-year crop was good, and has now been cut and dried. The first-year herb now coming on is well up to average. LAVENDER.—This is now coming along well. PARSLEY.—This is well established as a biennial, and a good harvest of seeds for distilling is expected. PEPPERMINT.—The wet weather has suited this crop, and peppermint beds are looking extremely healthy. Given the right amount of sunshine there should be a good quantity of high quality oil. POPPY PETALS.—In spite of the modern trend of the farmers to spray their fields in order to eradicate poppies, a good collection has been made. WILD LETTUCE.—Only a small collection will be available. VIOLA PETALS.—An ample supply.

TRADE MARKS

From the "Trade Marks Journal, July 7

For hair grips, pins and curlers (26). LADY FAYRE, 71,744, by A. Burnet & Co., Ltd., London, W.1.

From the "Trade Marks Journal," July 14

For alginate of sodium, being an industrial chemical (1)

LAMITEX, PROTANAL, 711,972-73, by A/S Protan, Drammen, Norway.

For non-medicated toilet preparations (3) LANORICA, 715,327, by Consolidated Cosmetics, Chicago, U.S.A.

For toilet shampoos (3) VASELINE LIQUID SHAMPOO, 715,585, by Chesebrough Manufacturing Co., Ltd., London, N.W.10.

For soaps and detergents (3) TAZZA, 718,086, by William Gossage & Sons, Ltd., Warrington.

For medical bath preparations (5) SCAPIDAR, 712,780, by Donald Herbert Neil, Kingston.

For infants' invalids' and dietetic foods (5) RIDGE'S FOOD on medallion device, 713,512, by Ridge's Food, Ltd., London, N.16.

For pharmaceutical and veterinary substances and infants' and invalids' foods (5) ROCHE, 714,466, by Roche Products, Ltd., Welwyn Garden City.

For pharmaceutical preparations (5) DESBUTAL, 716,190, by Abbott Laboratories, Chicago, U.S.A. CHOC-SEN, 716,604, by C. E. Fulford, Ltd., Leeds. DOLERCYL, 716,917, by Laboratoires Robert & Carrière, Paris, France. SUC-MAC, 717,600, by Mosapharm, Maastricht, Holland. ANDROPAX, FORTESTONE, 717,872-74, by Clinical Products, Ltd., Richmond. MINIPRINS, 717,950, by Thornton & Ross, Ltd., Huddersfield.

For rodenticides, vermicides, insecticides, fungicides, bactericides and parasiticides (5) TENATE 716,387, by Associated Fumigators, Ltd., London, E.16.

For insecticides (5) PESCHLOR, 716,429, by Pest Control, Ltd., Bourn, Cambs.

For all goods (5) AVLOBICIL, 717,373, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

For insecticides and fungicides (5) GREEN FINGERS, 718,113, by West & Short, London, W.C.2

For toilet paper, paper towels and towellings (16) ELTEX, 714,223, by George H. Elt, Ltd., Worcester.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, July 19

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, walk from Ilam to Hartington through Dove Dale and other Derbyshire Dales (leader, Mr. R. A. Hackney). Coach departs from Longton town hall at 10 a.m. calling at Hanley town hall at 10.30 a.m.

Wednesday, July 22

BRIGHTON AND HOVE PHARMACISTS' SPORTS CLUB, Preston Park Cricket Ground, Brighton, 6, at 2.30 p.m. Cricket match against the Brighton police.

Thursday, July 23

LONDON CHEMISTS' GOLFING SOCIETY, West Herts Golf club (telephone: Watford 4264). Fixture.

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, annual summer event, walk in Epping Forest (leader, Mr. H. L. Crossley). Meet Royal Forest Hotel, Chingford, at 2.45 p.m. Bald Face Stag Hotel, Buckhurst Hill, at 6 p.m. Tea. At 7 p.m., Mr. H. S. Grainger (chief pharmacist, Westminster Hospital) on "Pharmacists and Pharmacy in Other Lands."



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9d. BOX PROFIT by ordering 1 dozen
3/3½ size. Bonus given on every dozen (13).
It pays to push this size.

Established 1787
in the Reign of
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'Askit' is Scotland's leading Proprietary
Medicine for the safe, speedy relief of
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WHOLESALE AND EXPORT ONLY

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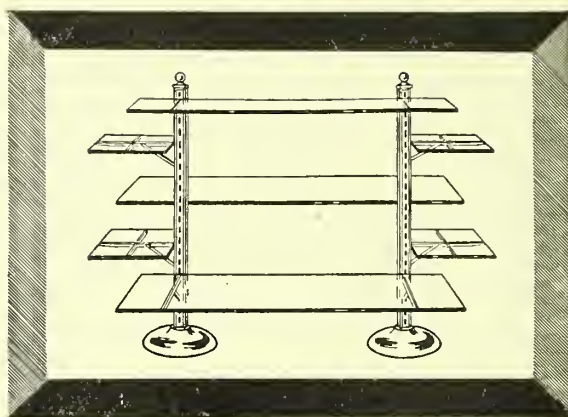
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HOKON DISPLAY UNIT

With this Hokon display unit you can have a new, striking display every day if you wish. It takes only a matter of minutes to adjust and re-arrange, and yet each new presentation of your stock will capture more customers' attention and interest. Ideal for both window and interior display.

Display Unit (Figure 24, as illustrated) 3ft. high, with brackets. Self-locking, instantly adjustable.

In Brown Bronze £12.17.0 In Chrome-like finish £14.7.0
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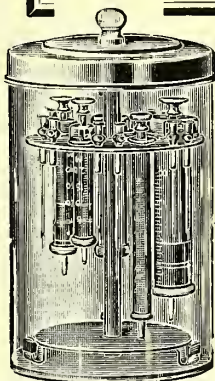
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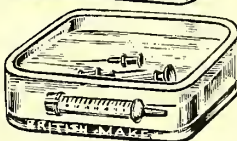
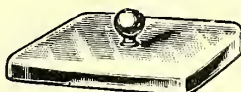
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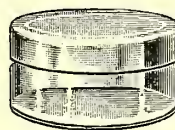
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Ligature Winder



Glass Needle Box

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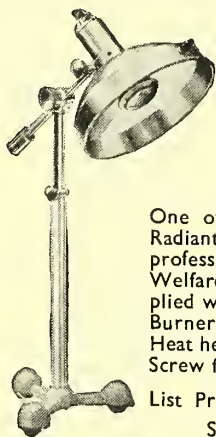
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A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

★ *Plain or Graduated
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'SOL-TAN' MAJOR Catalogue No. E.M. 32

One of the finest Infra-Red and Radiant Heat lamps yet made for professional heavy duty in Hospitals, Welfare Centres and Clinics. Supplied with one 600 watt Infra-Red Burner and one 750 watt Radiant Heat heavy Burner. Goliath Edison Screw fittings.

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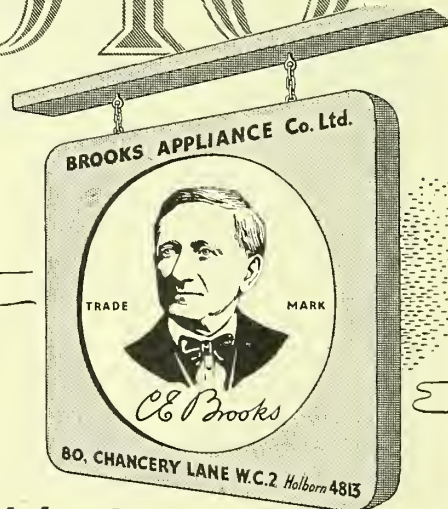
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When we first hung out our sign, rupture sufferers had only the harsh and uncomfortable truss for coping with their disability.

The BROOKS Appliance Company Ltd. soon altered this state of affairs with their comfortable, safe, made-to-measure Appliances. Today, the company is the largest in its field and makes a very

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Discount terms on individual orders or stockist arrangements are available. Vacancies are also still open in many places for Area Sales Agents, and applications are cordially invited. Our co-operation is thorough, our terms most attractive. BROOKS RUPTURE APPLIANCES are, far and away, the best selling for made-to-measure, comfortable and safe hernia control requirements.



Rupture... BROOKS... No delay ! **BROOKS APPLIANCE CO. LTD.**

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Appliances supplied under
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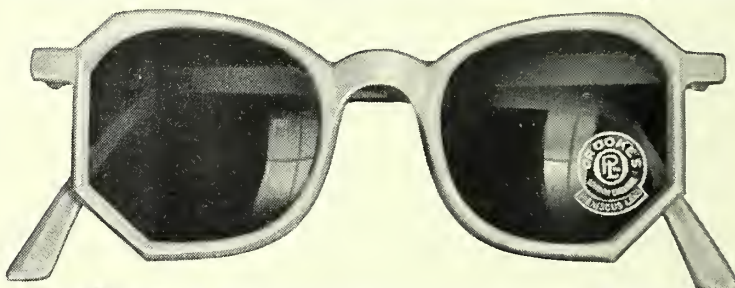
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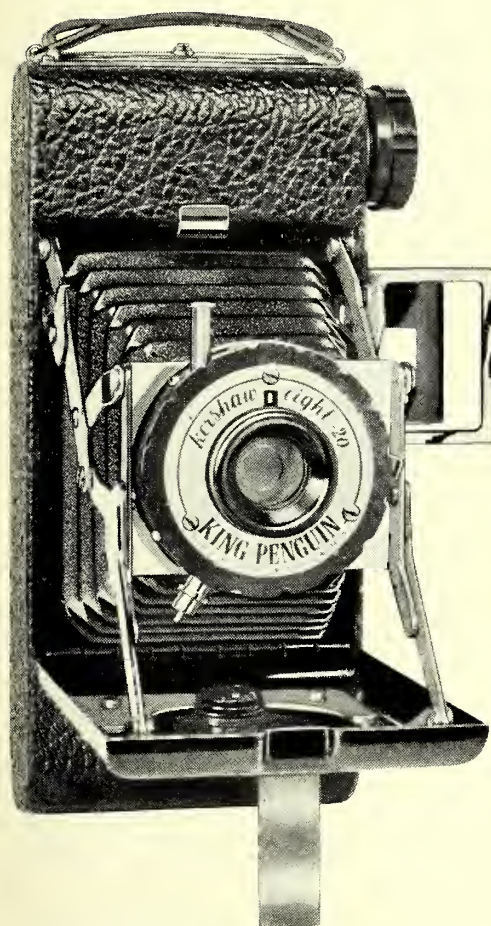
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Shutter; instantaneous, and bulb for longer exposures. Smooth action release.

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Press the catch and the camera is fully open, ready for action.

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Instant clear pictures with eye level, direct-vision viewfinder.

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British and Continental baseboard bush for tripod and flash-gun attachment.

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The body is covered in richly grained black leatherette.



King Penguin

3 1/4" x 2 1/4" folding camera

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* these optional extras add to its versatility

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All year round
universal market

Attractive
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and other painful, itching or inflammatory conditions of the skin and the mucosæ are quickly relieved by the application of

PANTHESINE BALM

Panthesine Balm is indicated in: Burns—
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Panthesine Balm contains 5 per cent. N-diethyleucinol ester of *p*-aminobenzoic acid incorporated in a fatty base. It is an anæsthetic ointment of low toxicity for topical application. It has a mild, pleasant odour and does not stain the tissues or the clothes of the patient.

Supplied in tubes of 10 g. and 20 g.

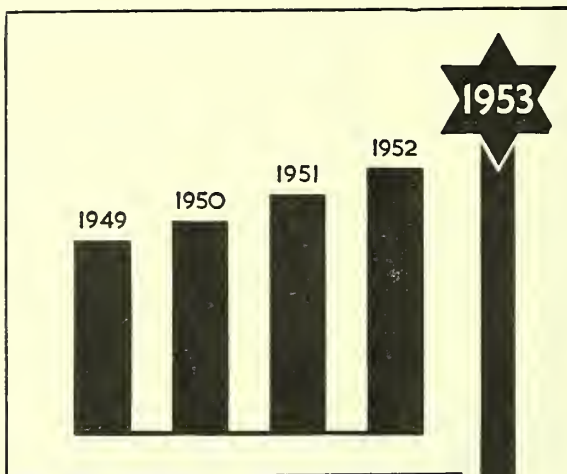
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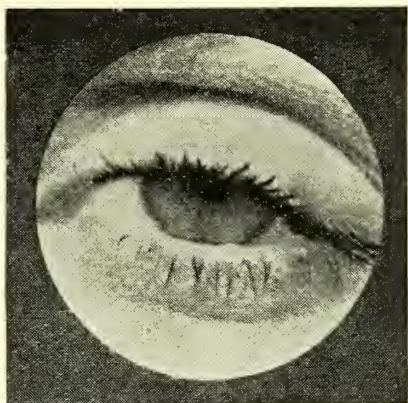
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energy and well-being

A new pleasantly flavoured tonic and stimulant for the relief of mild depression and lethargy.

Depressive conditions are commonly associated with persistent pain, chronic organic disease, the climacteric, and old age. 'Adetate' relieves the symptoms, giving a feeling of well-being and increased energy. It is also of value as an adjunct in the control of obesity.

Initial dosage should be small, and increased gradually until the desired effect is reached. For adults, 1 to 3 teaspoonfuls daily in divided dosage is suggested, given before meals, the last dose of the day before 4 p.m. to avoid interference with sleep.

'Adetate' Additive Elixir (Part 1, Schedule 1) is supplied in bottles of 4 fluid ounces, list price 6/6 plus P. Tax 1/1, and in 16 fluid ounce dispensing packs, list price 24/-; both less 33 $\frac{1}{3}$ % trade discount.

Each fluid ounce contains:

<i>Dexamphetamine sulphate</i>	<i>30 mg.</i>
<i>Aneurine (thiamine) hydrochloride</i>	<i>30 mg.</i>
<i>Sodium glycerophosphate</i>	<i>240 mg.</i>
<i>Potassium glycerophosphate</i>	<i>60 mg.</i>

SHARP & DOHME LTD., HODDESDON, HERTS.



'ADETATE' Elixir

Trade Mark



SAVES HOT-WEATHER CRUMPLE

Make new customers for
dip Permanent Starcher
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IT PAYS!

The British Permanent Starch Co., Ltd.,
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IS THE TIME
TO ORDER
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5% w/w tetrahydrofurfuryl nicotinic acid ester

relieves pain promptly in
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A rubefacient cream containing a single active principle which effects a rapid improvement in local blood supply, with prolonged relief from pain, by the removal of accumulated metabolites.

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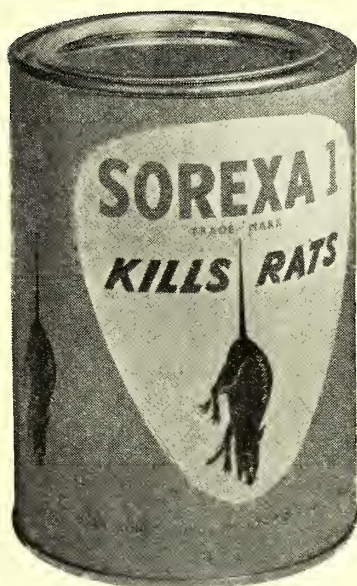
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SOREXA

The **WONDER WARFARIN**
RODENTICIDE

Announcing

A new attractive pack specially designed for your counter trade.

Quick Sales

ensured by recommendations of Pest Officers and satisfied users.

PROFIT 50% on cost (wholesale discount available)

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Sorex 1 retailing at 7/- for common rats.

Sorex 5 „ „ 13/6 for all rats and mice.

Obtainable through wholesalers or direct from

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| 1 Breathes as it feeds. | 2 Milk flows unimpeded. |
| 3 Wide mouth for filling. | 4 Teat securely held non-slip |
| 5 Hermetical sealing filled or empty. | 6 Teat reverses and keeps sterile when not in use. |
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The original British made preservative and antiseptic with its wide use for pharmaceutical and cosmetic products.

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THIS TWO-TIER DISPLAY CABINET IS *FREE* & PROFITABLE

Your counter-space can be made much more valuable than ever you've guessed. This two-tier Halex Display Cabinet does **2 JOBS IN 1.**



1 It sells Halex "Rondated" Toothbrushes and sells them *fast* because they are at eye level, giving customers a close-up view of shapes and colours.

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THIS SOLID CABINET IS FREE with quite a moderate order for Halex toothbrushes and combs. Indeed there is an additional 5% discount on an order for only 6 dozen of each. Ask your usual supplier for details.

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NEW DISPLAY MATERIAL and a **GENEROUS BONUS** *for* **NURONA**

*For quick and
painless Tanning*

NURONA prevents painful sunburn while encouraging a quick natural tan. The Liquid (Sun Tan) is also very popular as a substitute for hosiery in all seasons.



**SUNTAN
CREAM**
IN 4oz. & 8oz. SIZES

The Sun Bronze Cream is a development of the Sun Tan Cream, with a vanishing cream base excellent as a make-up foundation. The tube has proved extremely popular because of its handiness for pocket or handbag.



PRICES

Sun Tan Cream 13/6 and 21/- per doz., plus 75%
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Sun Bronze Cream: 13/6 per doz., plus 75% P. Tax
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ATTRACTIVE NEW SHOWCARD

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Assorted orders for 3 doz. or more qualify for Showcard and Bonus of one free bottle or tube in each dozen — i.e., 36 bottles or tubes invoiced as 33.

Bonus parcels should be ordered direct, but may be invoiced through your usual wholesaler.

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Completely Rewritten

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A **NEW** HAIR COSMETICTHE
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14 Blue Black
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21 Light Bronze
22 Honey Blonde
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In attractive Home Pack

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Breaking all sales records in this market. Powerful national advertising is selling Flypak beyond all expectations. Why not for you—there's a big profit margin for this fine little product. It's the neatest, cleanest, quickest fly slayer; looks nice, smells nice—just what the housewives will buy. The Coronation Year Royal and Ice Blue outer (containing 3 dozen) gets quick attention and sales.

Why not put this bright new idea

There's
REAL
PROFIT
here
too!

on Your Counter!

D.D.T.
FLYPAK
THE NEW NEATER PRODUCT THAT
kills flies cleanly!



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Fine Chemicals

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Pharmaceuticals

★ *We can supply these
and many other items
advantageously.*



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GRAMS, SALICIN, WARRINGTON, PHONE, WARRINGTON, 2331-2**There's lots
and lots of
Rheumatism about!**

And plenty of demand for the most reliable general remedy of all—Curicones.

With its present up-to-date formula, it is a remedy you can recommend to all your Rheumatic customers.

This time of year a small counter show of Curicones will bring quite a nice extra trade, while obviously no chemist should ever let himself run out of stock of the 5/4, 13/4 or 25/6 size.

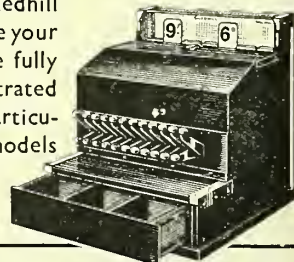
We still have small supplies left of our novel "weather indicator" showcard. It is most effective and surprisingly accurate. Send us your name and address for one and see the interest it attracts.

CURICONES

AND

PATA**STEPHEN MATTHEWS & CO., LTD.**
19/21 Farringdon Street, London, E.C.4**ADD AN ADDER
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Think of the many things the Adder on a Gledhill Cash Register can do for your business. It registers the amount of all cash sales and totals the money to be accounted for; it eliminates guessing, prevents disputes, protects the assistant as well as the customer and enables you to check takings at any time of the day and to get an accurate grand total. If you wish to know of the many other ways in which a Gledhill Register can improve your service send for the fully informative illustrated Catalogue, giving particulars of the many models available.

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28 TRINITY WORKS, HALIFAX.

VEGETO-POLYHORMONIC HYPOTENSOR

Detensyl

Of established therapeutic value

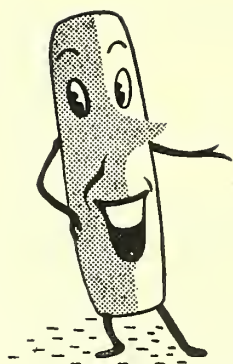
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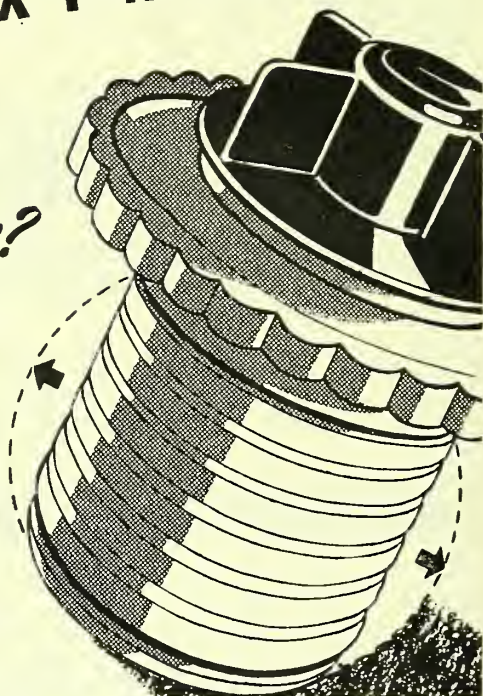


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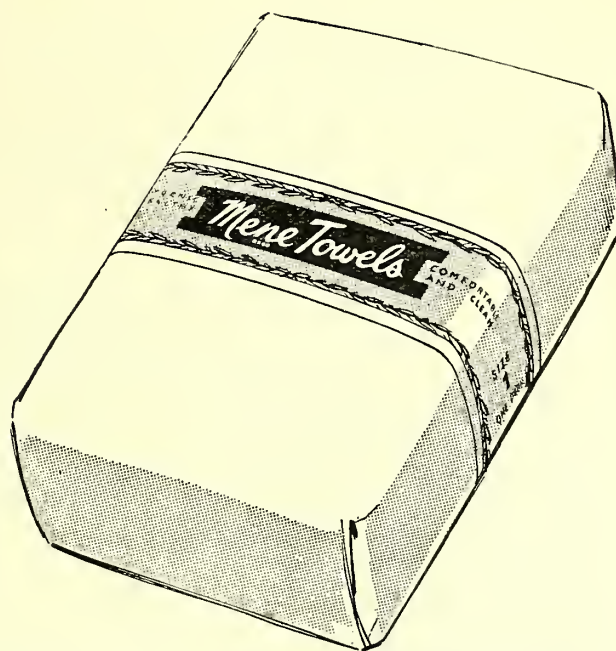
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